Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit (EM&A) Report (November 2024 – January 2025)

February 2025

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 28 February 2025

Verified by:

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

Date 28 February 2025

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

Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit (EM&A) Report (November 2024 - January 2025)

February 2025

Contents

Tables

Executive summary

This Quarterly EM&A Report presents the monitoring works at Lyric Theatre Complex conducted from 1 November 2024 to 31 January 2025. 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

One complaint was 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 Lyric Theatre Complex (now known as “the WestK Performing Arts Centre”) will comprise a 1,450-seat Grand Theatre, a 600-seat Medium Theatre and a 270-seat Studio Theatre. The complex will also house extensive rehearsal facilities and a Resident Company Centre that will serve as an exploration, development and collaboration hub for dance companies and artists in Hong Kong.

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 November 2024 to 31 January 2025. 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
  - ABWF & MEP works
  - Façade work
- ASDA and Lyric Theatre Promenade
  - Construction of bearing walls, beams and double slab
  - Construction of plant room
  - Installation of temporary steel beam supports
  - Modification works
  - Pipe works
  - Defects rectification
- DCS cofferdam
  - Backfilling
  - Construction of Valve chamber
  - Drainage works and UU services
  - Construction of cable draw pits, cable trough
- Extended basement
  - ABWF & MEP works
  - Power cabling

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	19	69	32
	AM2	26	74	40
24 hour TSP	AM1	11	60	20
	AM2	21	62	32
Construction Noise				
Leq(30min)	NM1A	63	65	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				
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), 919.3 tonnes, 277.8 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 2,069.6 tonnes of general refuse were disposed of at SENT and WENT landfill. 0.0 tonne of metals, 0.1 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. 5.8 tonnes 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.

One complaint was received in the reporting quarter.

On 13 January 2025, the WKCD hotline received a complaint from Mr. So from the security control room of The Harbourside reported a complaint filed by a resident about the noise disturbance arising from the construction site between Xiqu Centre and M+. The complainant claimed that noise arose from the construction activities and vehicles in the afternoon on 11 January 2025 with no specific time mentioned. After 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. 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. As concluded from the above investigation and findings, it could not directly imply the complaint was attributable to Lyric Theatre Complex (L2 Contract).

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

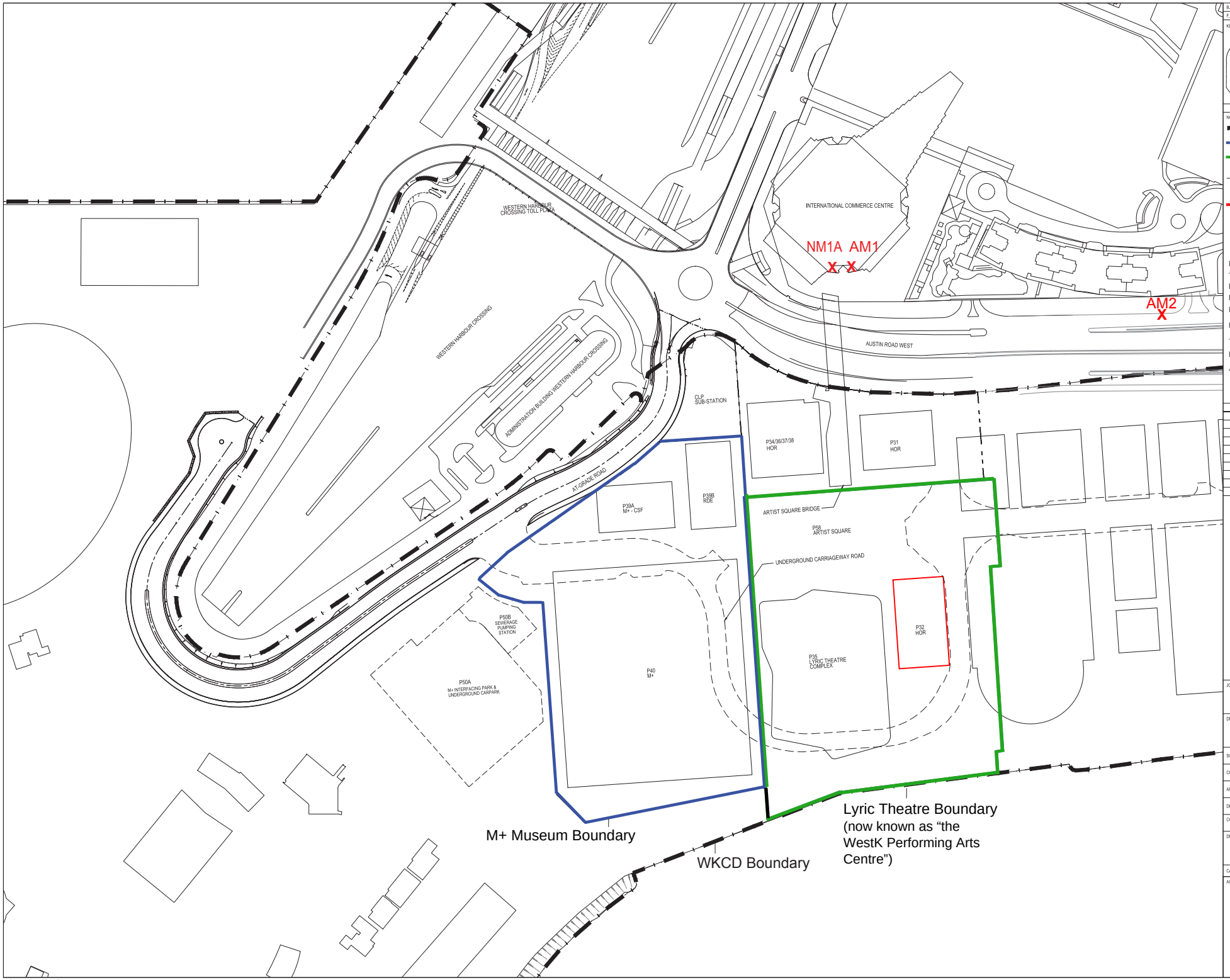
The EM&A programme as recommended in the EM&A Manual has been undertaken. The construction works and EM&A programme for M+ Museum was commenced on 31 October 2015 and completed on 28 February 2021; while the construction works and EM&A programme for Lyric Theatre Complex (L1 and L2 Contracts) was commenced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

One complaint was 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.

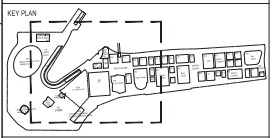
Figure 1 Site Layout Plan and Monitoring Stations



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 AST DEVELOPER 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-L00D-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

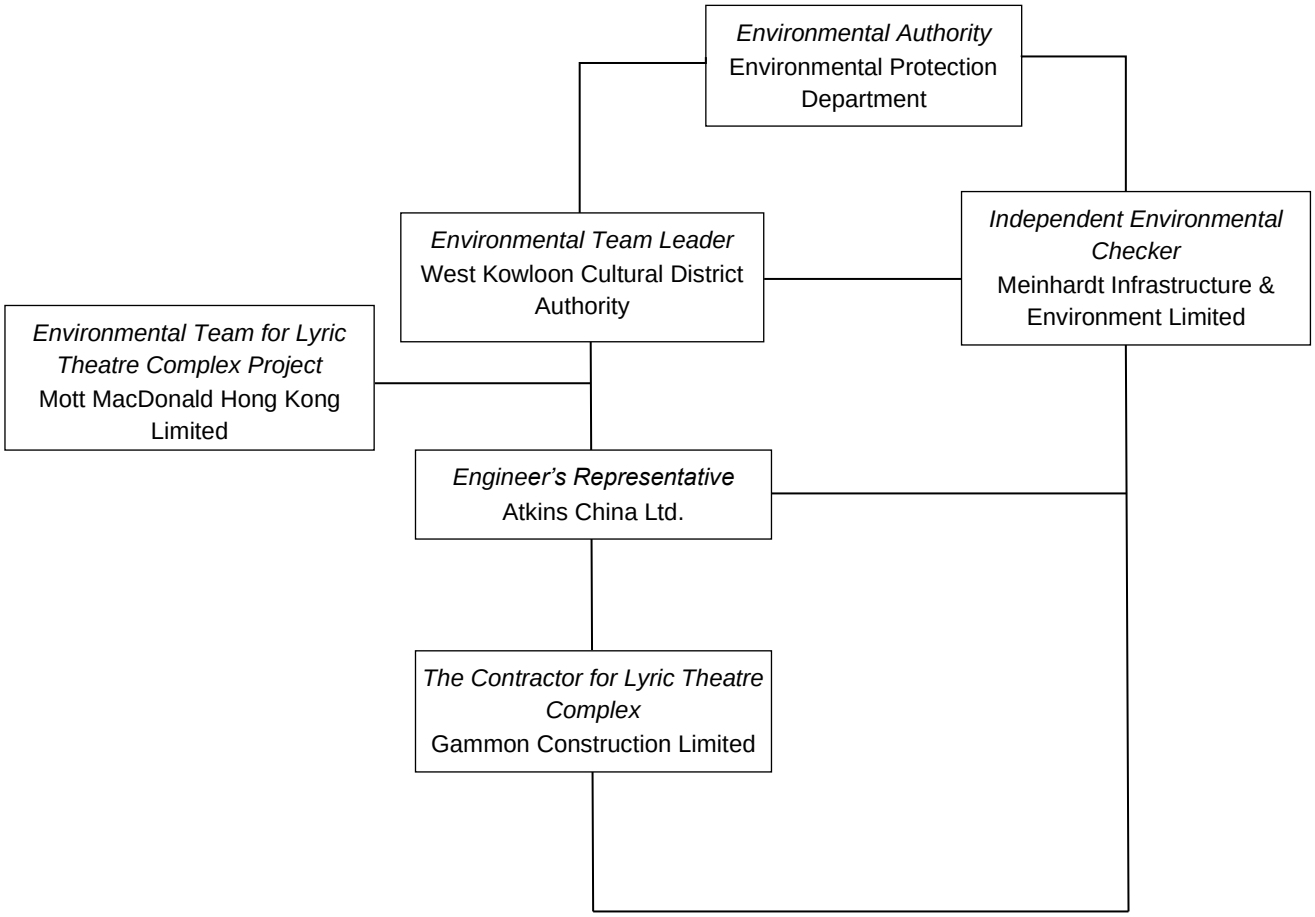


Table A-1: Contact information

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_09 2nd DRAFT [DD=31Oct24] ***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		11-Mar-25*	-1660	-181	-24	-181
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		30-May-26*	-1025	-143	-42	-143
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		30-May-26*	-1025	-143	-42	-143
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		30-May-26*	-1025	-143	-42	-143
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		30-May-26*	-1025	-143	-42	-143
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		29-Jun-26*	-1055	-143	-38	-143
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		28-Dec-26*	-1027	-143	-42	-143
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		30-Mar-26*	-1024	-143	-42	-143
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		17-Apr-26*	-1172	-146	-41	-146
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		29-May-26*	-1084	-143	-38	-143
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	512		02-May-20	22-Jan-26	02-May-20 A	27-Jul-26		-149	-32	128
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	465		12-Apr-21	07-Jan-26	12-Apr-21 A	30-May-26		-115	-35	175
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	105		26-May-22	11-Sep-24	26-May-22 A	11-Mar-25		-140	-20	-140
SUM103	[LoE] CC_E - DCS Cofferdam	16		07-Aug-20	04-Jul-24	07-Aug-20 A	19-Nov-24		-101	-23	10
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	128		12-Oct-22	04-Dec-24	12-Oct-22 A	08-Apr-25		-99	2	-11
SUM105	[LoE] CC_G - Extended Basement	219		15-May-21	28-May-25	15-May-21 A	31-Jul-25		-53	-6	131
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	259		24-Feb-21	09-Jun-25	24-Feb-21 A	16-Sep-25		-84	-22	55
SUM108	[LoE] CC_J - M+ Day 2 Works	438		03-Jun-21	03-Dec-25	03-Jun-21 A	28-Apr-26		-115	-32	-89
SUM109	[LoE] CC_K - Water Main at Promenade	181		23-Apr-22	10-Jan-25	23-Apr-22 A	16-Jun-25		-123	-6	2
SUM110	[LoE] CC_N - Lifts & Escalators	127		16-Aug-21	30-Aug-25	16-Aug-21 A	07-Apr-25		118	67	118
SUM111	[LoE] P32 Interim Development	130		17-May-21	14-Feb-25	17-May-21 A	10-Apr-25		-46	-23	220
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	28-Nov-25	29-May-26		-115	-32	-115

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_09 2nd DRAFT [DD=31Oct24] ***L I V E***

Date	Revision	Checked	Approved
12-Nov-24	CMWP Rev_3_B Oct24 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_10 2nd DRAFT [DD=30Nov24] ***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		10-Apr-25*	-1690	-211	-30	-211
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	-8	-151
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	-8	-151
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	-8	-151
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		07-Jun-26*	-1033	-151	-8	-151
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		04-Jul-26*	-1060	-148	-5	-148
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		05-Jan-27*	-1035	-151	-8	-151
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		07-Apr-26*	-1032	-151	-8	-151
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-Apr-26*	-1177	-151	-5	-151
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		03-Jun-26*	-1089	-148	-5	-148
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	490		02-May-20	22-Jan-26	02-May-20 A	31-Jul-26		-153	-4	130
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	445		12-Apr-21	07-Jan-26	12-Apr-21 A	06-Jun-26		-121	-6	175
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	104		26-May-22	11-Sep-24	26-May-22 A	10-Apr-25		-165	-25	-165
SUM103	[LoE] CC_E - DCS Cofferdam	3		07-Aug-20	04-Jul-24	07-Aug-20 A	04-Dec-24		-114	-13	-3
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	122		12-Oct-22	04-Dec-24	12-Oct-22 A	07-May-25		-119	-20	-31
SUM105	[LoE] CC_G - Extended Basement	207		15-May-21	28-May-25	15-May-21 A	16-Aug-25		-67	-14	117
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	244		24-Feb-21	09-Jun-25	24-Feb-21 A	29-Sep-25		-95	-11	44
SUM108	[LoE] CC_J - M+ Day 2 Works	416		03-Jun-21	03-Dec-25	03-Jun-21 A	04-May-26		-119	-4	-93
SUM109	[LoE] CC_K - Water Main at Promenade	169		23-Apr-22	10-Jan-25	23-Apr-22 A	03-Jul-25		-137	-14	-12
SUM110	[LoE] CC_N - Lifts & Escalators	110		16-Aug-21	30-Aug-25	16-Aug-21 A	21-Apr-25		109	-9	109
SUM111	[LoE] P32 Interim Development	108		17-May-21	14-Feb-25	17-May-21 A	18-Apr-25		-50	-4	216
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	03-Dec-25	03-Jun-26		-119	-4	-119

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_10 2nd DRAFT [DD=30Nov24] ***L I V E***

Date	Revision	Checked	Approved
12-Dec-24	CMWP Rev_3_B Nov24 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_11 2nd DRAFT [DD=31Dec24] ***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		13-May-25*	-1723	-244	-33	-244
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	0	-151
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	0	-151
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		07-Jun-26*	-1033	-151	0	-151
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		07-Jun-26*	-1033	-151	0	-151
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		04-Jul-26*	-1060	-148	0	-148
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		05-Jan-27*	-1035	-151	0	-151
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		07-Apr-26*	-1032	-151	0	-151
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-Apr-26*	-1177	-151	0	-151
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		03-Jun-26*	-1089	-148	0	-148
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	466		02-May-20	22-Jan-26	02-May-20 A	31-Jul-26		-153	0	130
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	421		12-Apr-21	07-Jan-26	12-Apr-21 A	06-Jun-26		-121	0	175
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	103		26-May-22	11-Sep-24	26-May-22 A	13-May-25		-188	-23	-188
SUM103	[LoE] CC_E - DCS Cofferdam	0		07-Aug-20	04-Jul-24	07-Aug-20 A	30-Nov-24 A		-111	3	
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	113		12-Oct-22	04-Dec-24	12-Oct-22 A	24-May-25		-134	-15	-46
SUM105	[LoE] CC_G - Extended Basement	203		15-May-21	28-May-25	15-May-21 A	09-Sep-25		-87	-20	97
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	212		24-Feb-21	09-Jun-25	24-Feb-21 A	19-Sep-25		-87	8	52
SUM108	[LoE] CC_J - M+ Day 2 Works	392		03-Jun-21	03-Dec-25	03-Jun-21 A	04-May-26		-119	0	-93
SUM109	[LoE] CC_K - Water Main at Promenade	169		23-Apr-22	10-Jan-25	23-Apr-22 A	31-Jul-25		-161	-24	-36
SUM110	[LoE] CC_N - Lifts & Escalators	84		16-Aug-21	30-Aug-25	16-Aug-21 A	18-Apr-25		111	2	99
SUM111	[LoE] P32 Interim Development	85		17-May-21	14-Feb-25	17-May-21 A	19-Apr-25		-51	-1	361
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	03-Dec-25	03-Jun-26		-119	0	-119

Gammon

Base Line ACT
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L2 CMWP_R_3_B - Rev_3B_11 2nd DRAFT [DD=31Dec24] ***L I V E***

Date	Revision	Checked	Approved
16-Jan-25	CMWP Rev_3_B Dec24 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 Nov 2024	Dec 2024	Jan 2025
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	Obs	Obs
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.	Obs	Obs Rem	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 Nov 2024	Dec 2024	Jan 2025
	• 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 Nov 2024	Dec 2024	Jan 2025
	• 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 Nov 2024	Dec 2024	Jan 2025
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 Nov 2024	Dec 2024	Jan 2025
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	✓	✓
	• 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 Nov 2024	Dec 2024	Jan 2025
	• 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 Nov 2024	Dec 2024	Jan 2025
	• 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	Obs	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	✓	✓	✓
	• Provision of sufficient waste disposal points and regular collection of waste	✓	Obs	✓

EM&A Ref.	Recommendation Measures	Implementation Stage L2 Nov 2024	Dec 2024	Jan 2025
	• 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	✓	✓	Obs
	• 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 Nov 2024	Dec 2024	Jan 2025
	• 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 Nov 2024	Dec 2024	Jan 2025
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 Nov 2024	Dec 2024	Jan 2025
	• 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

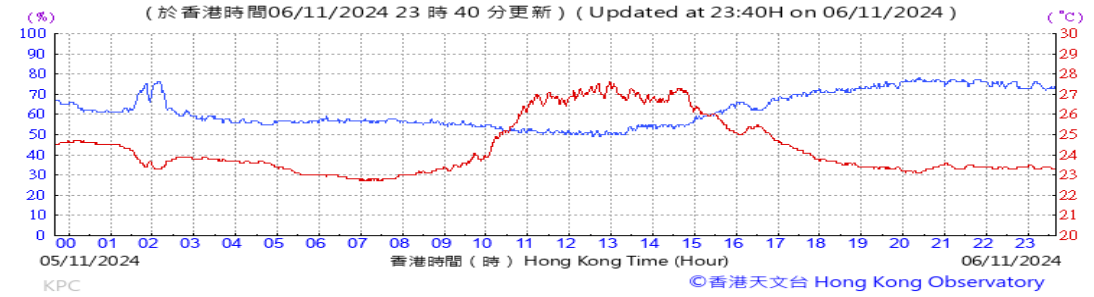
EM&A Ref.	Recommendation Measures	Implementation Stage L2 Nov 2024	Dec 2024	Jan 2025
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary 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

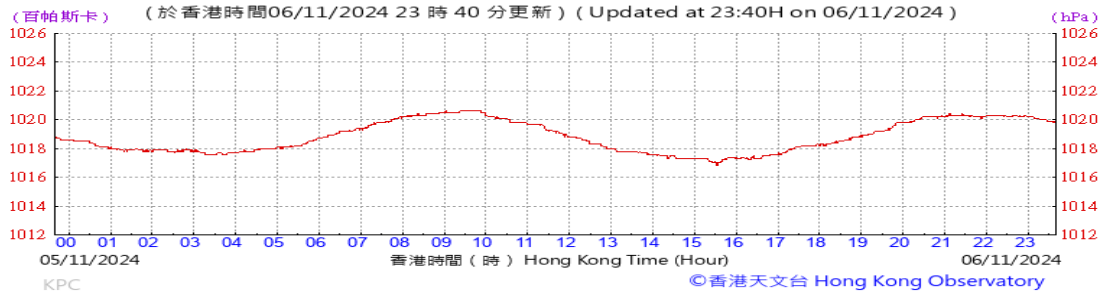
D. Meteorological Data Extracted from Hong Kong Observatory

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

Temperature/Humidity:



Pressure:



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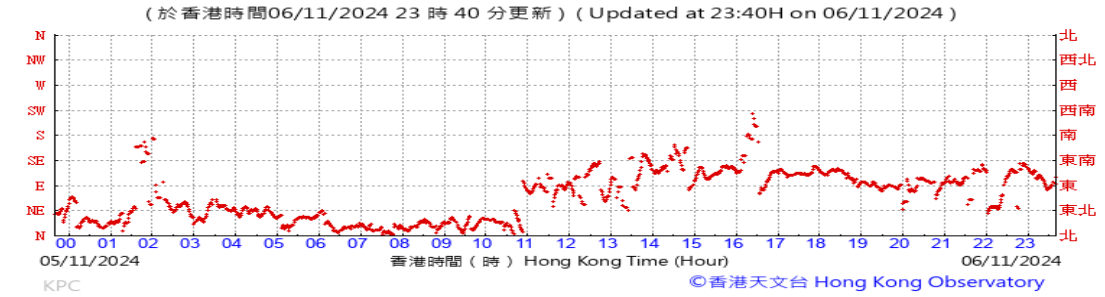

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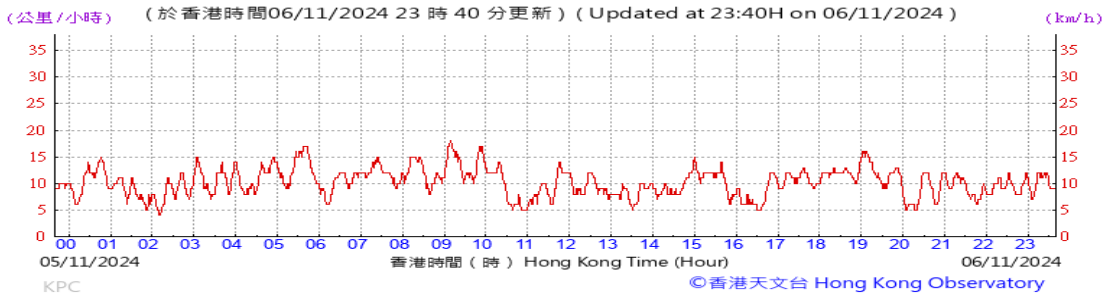
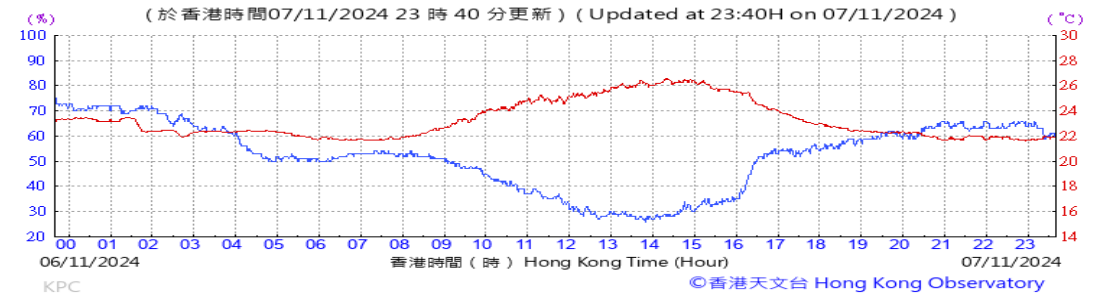


Temperature/Humidity:



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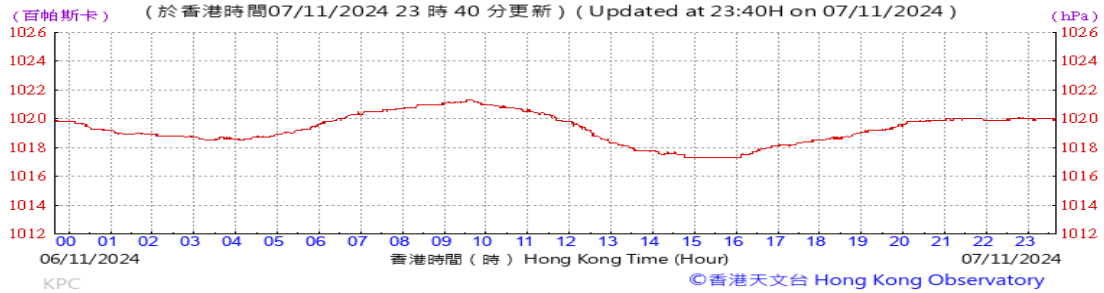

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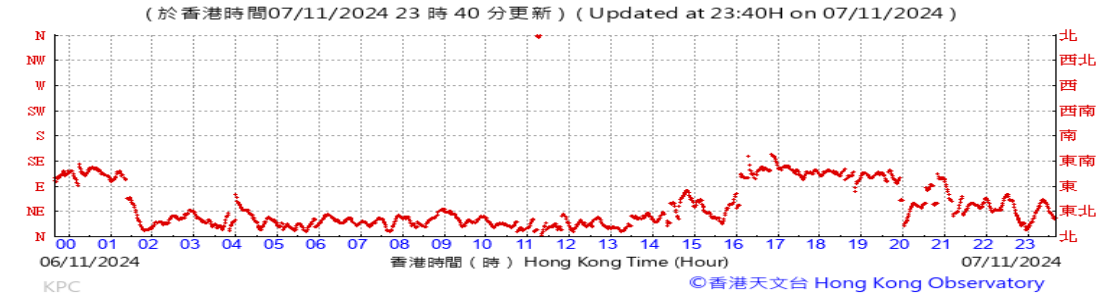
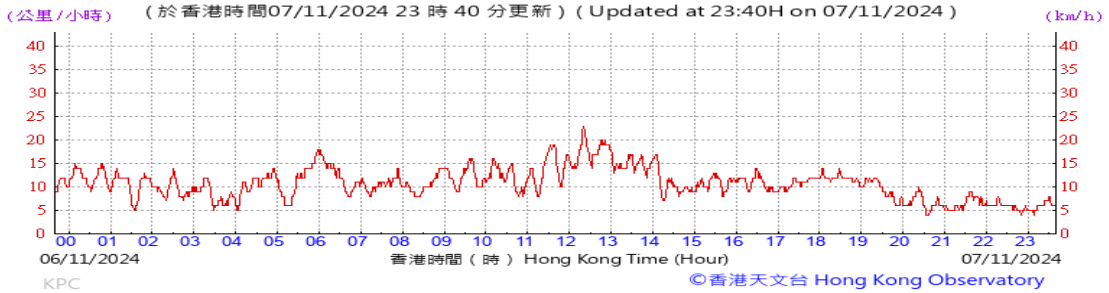
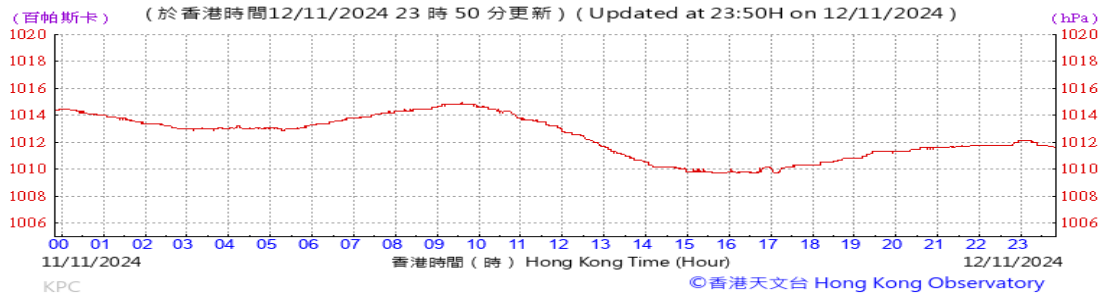


Wind Speed:



Temperature/Humidity:

Pressure:



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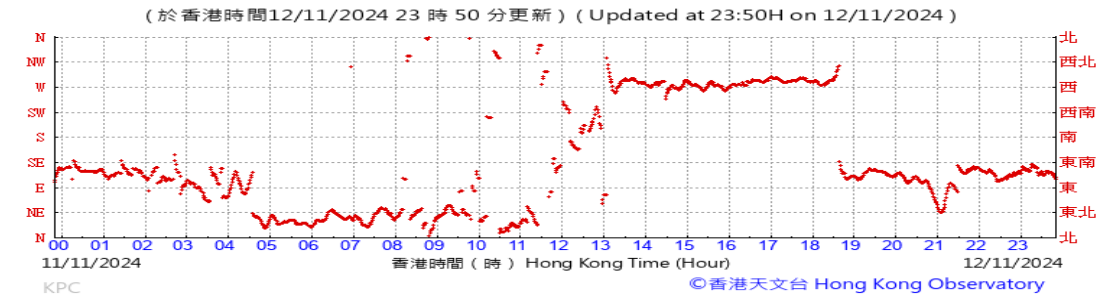

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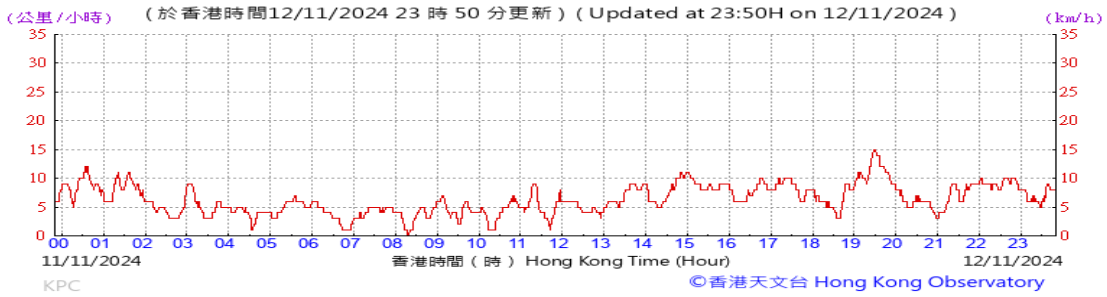

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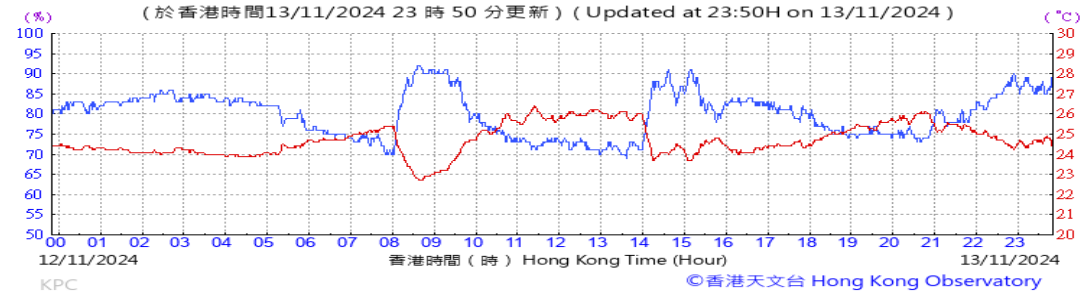
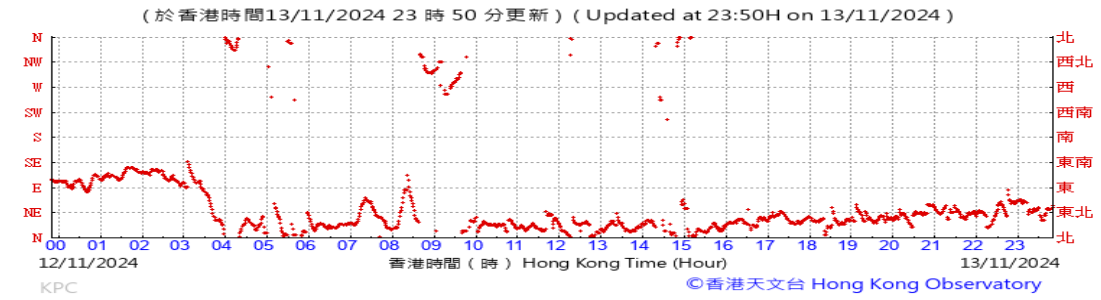


Pressure:

Wind Direction:



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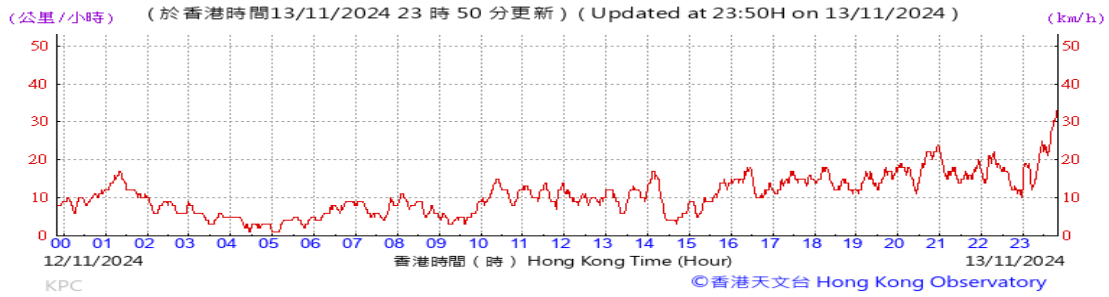

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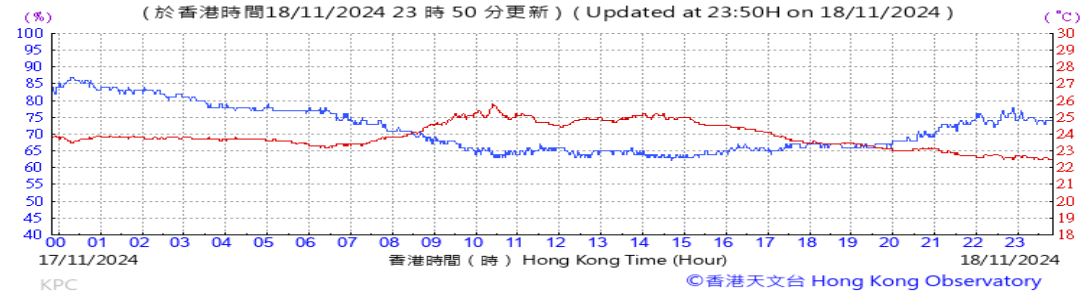

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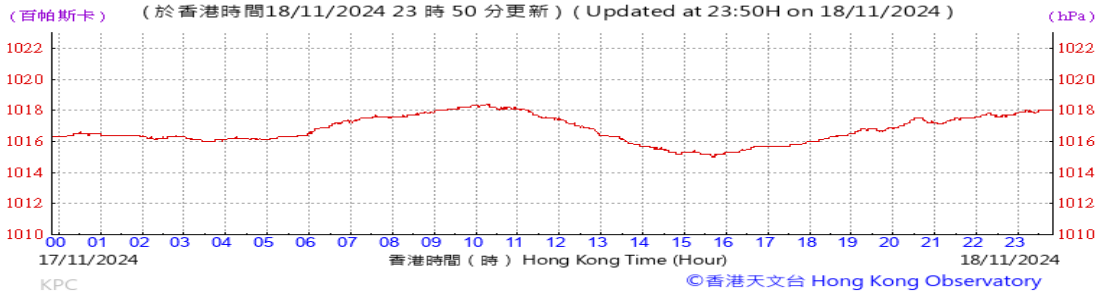

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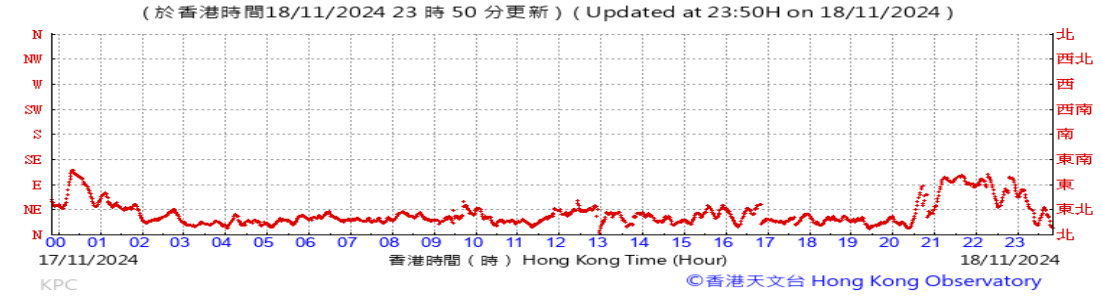

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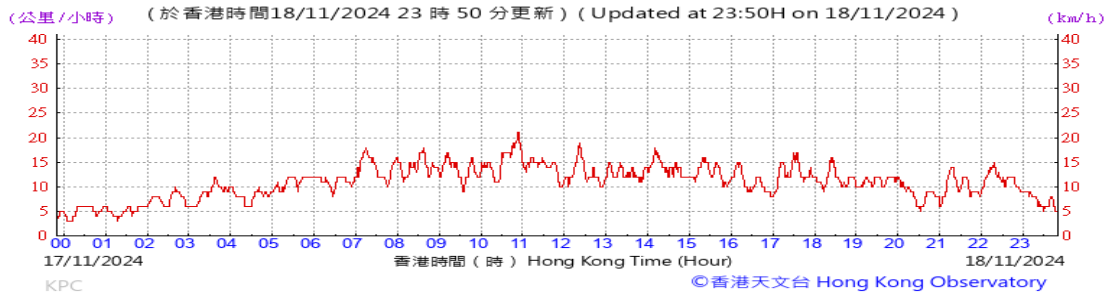

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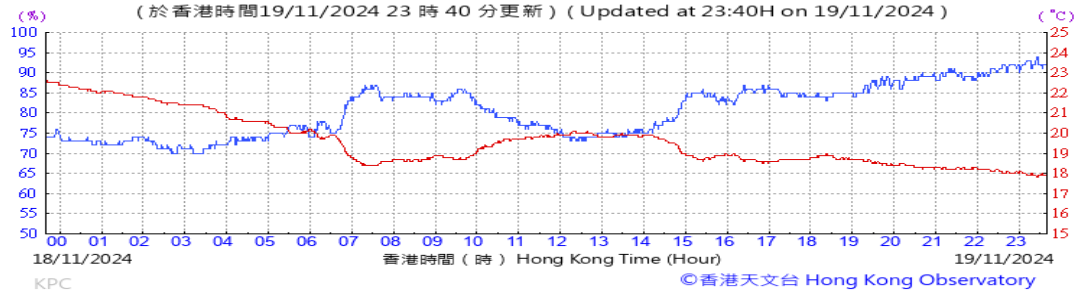

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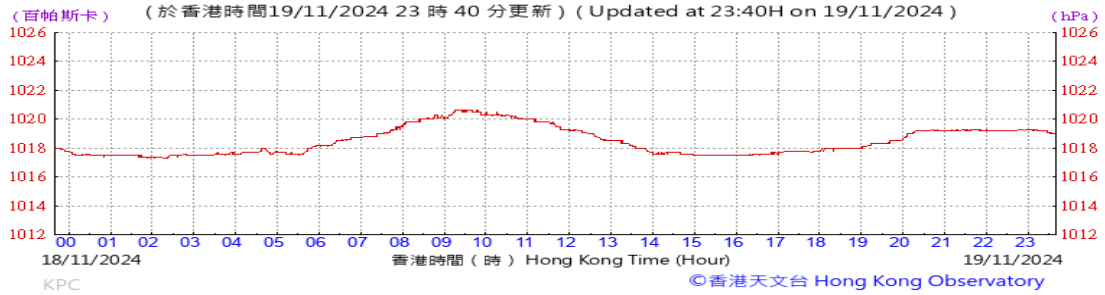

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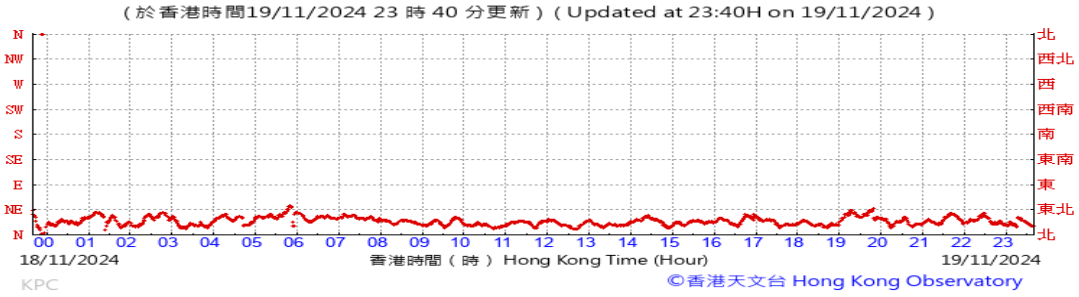

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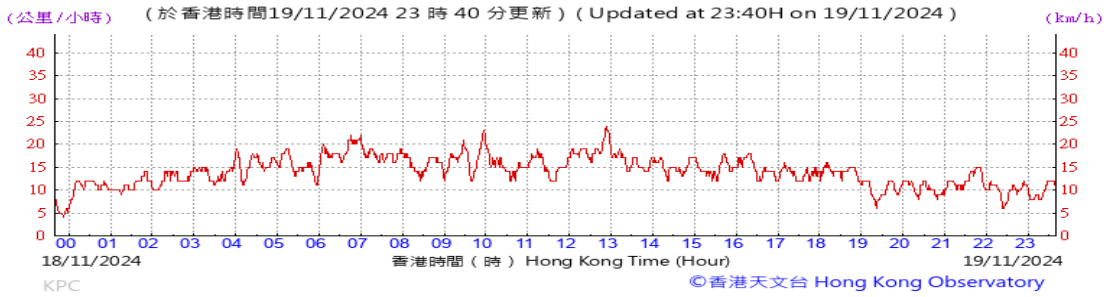

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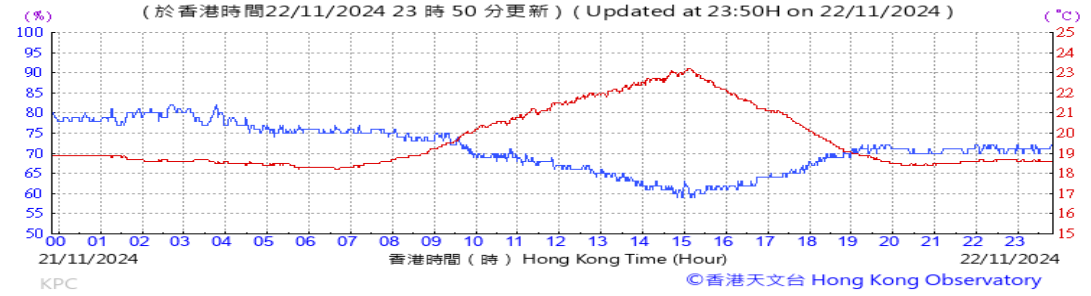

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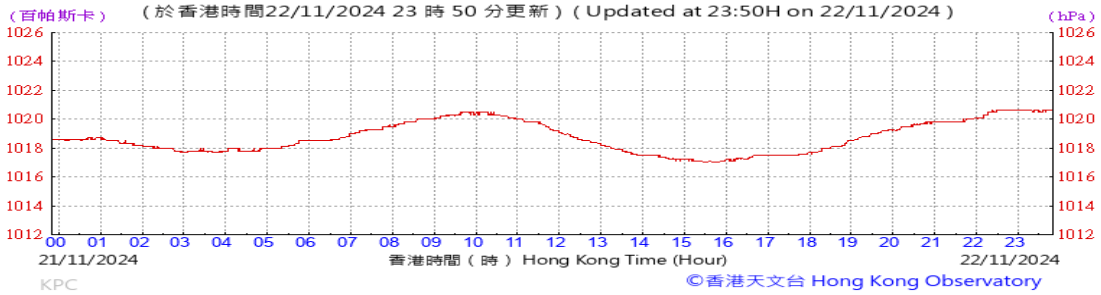

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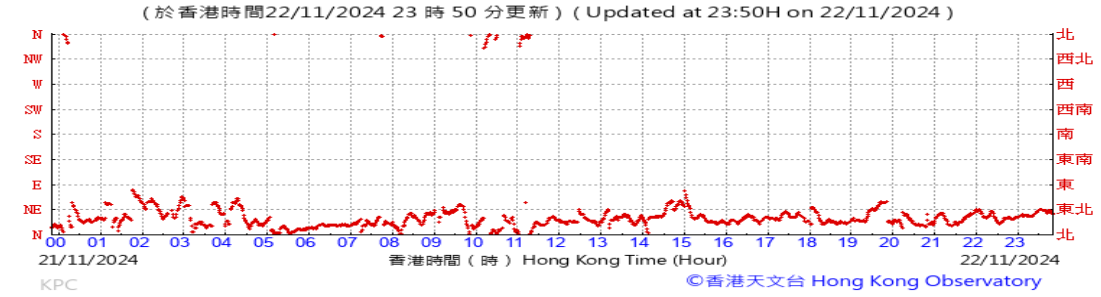

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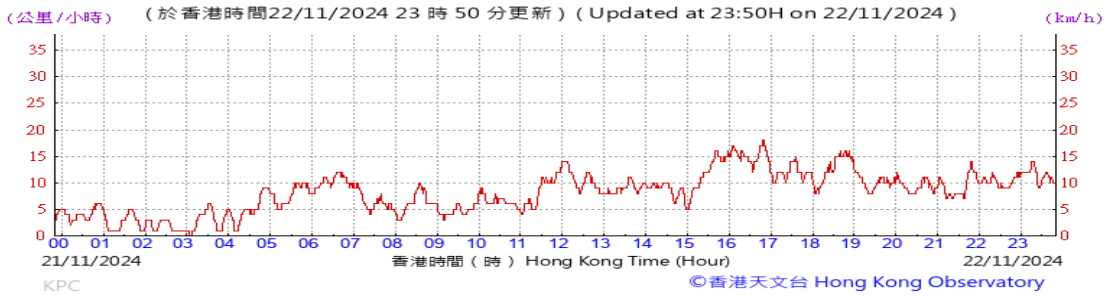

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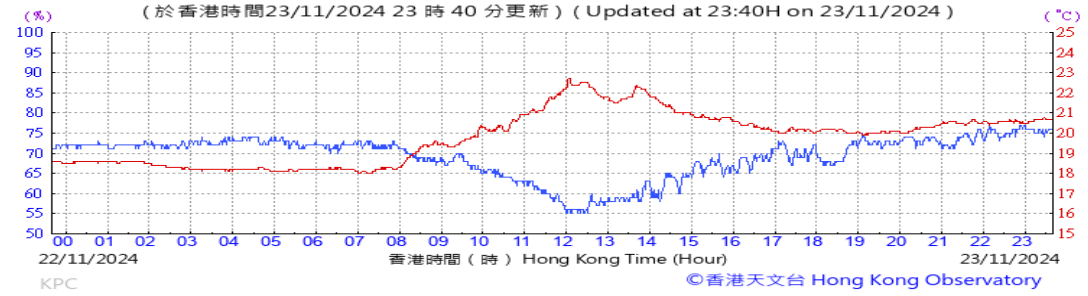

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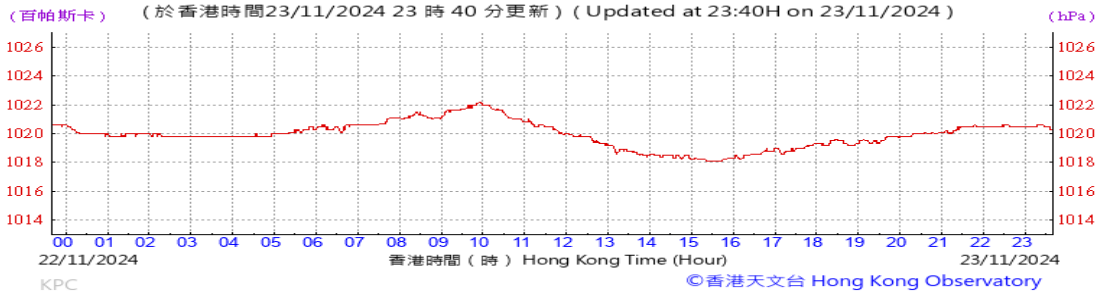

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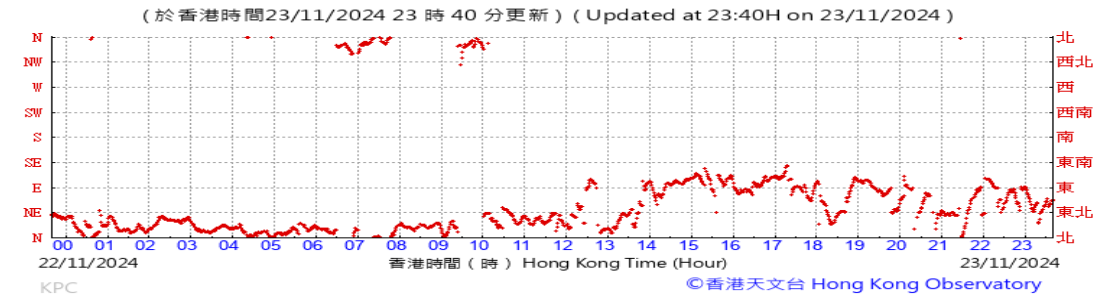
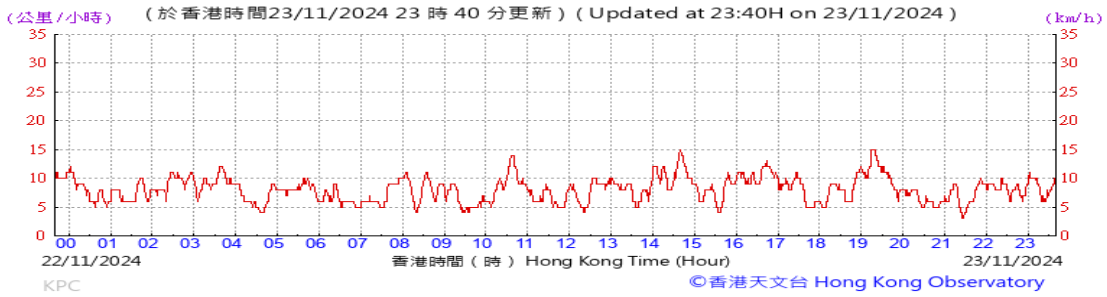
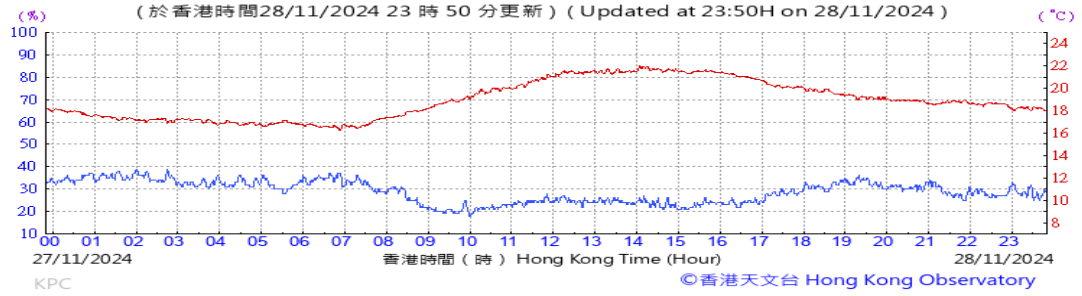


Wind Speed:



Temperature/Humidity:



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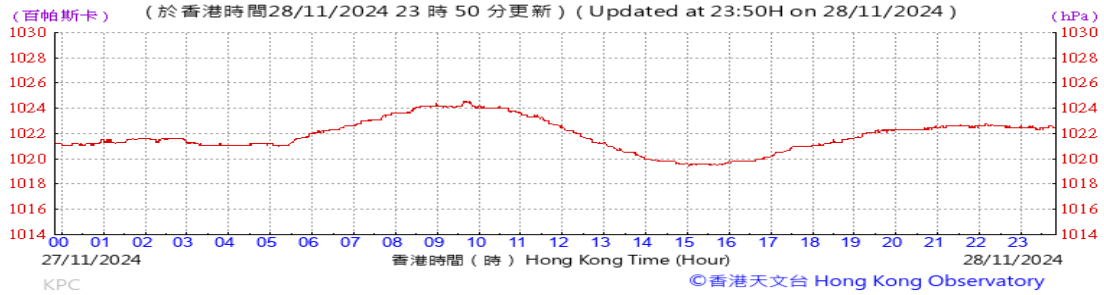
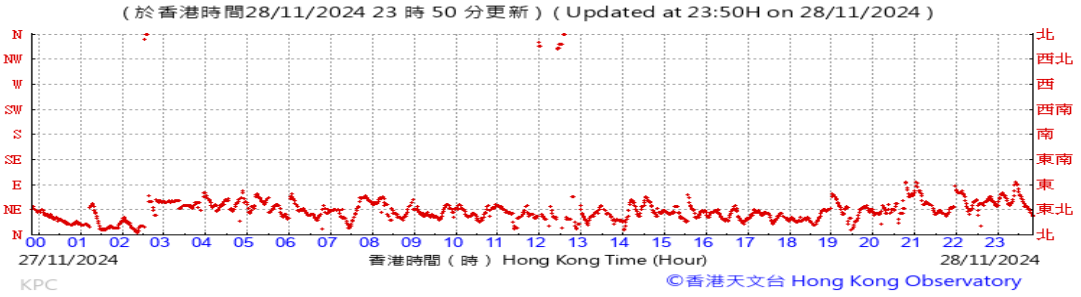
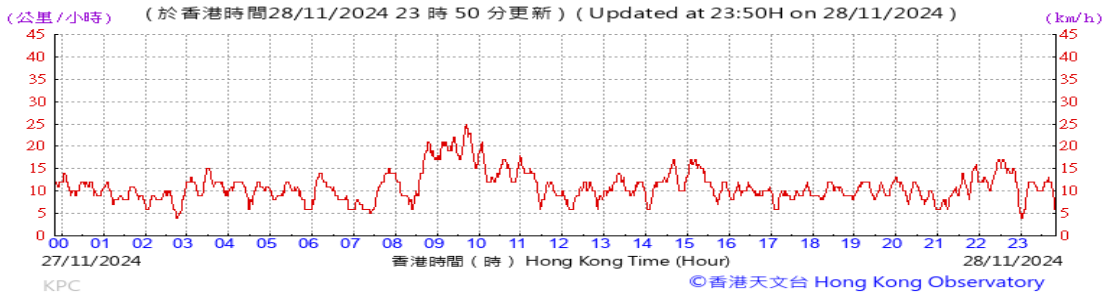


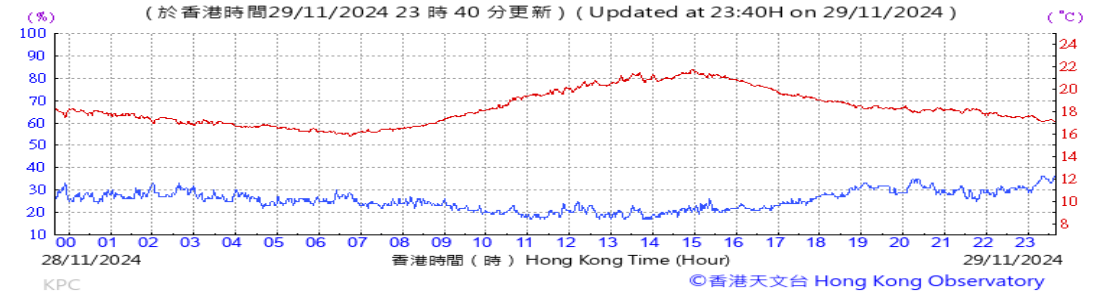
Wind Direction:



Wind Speed:



Temperature/Humidity:



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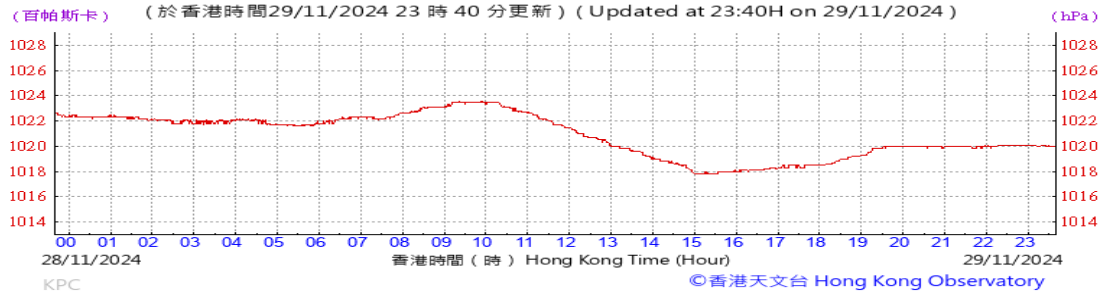

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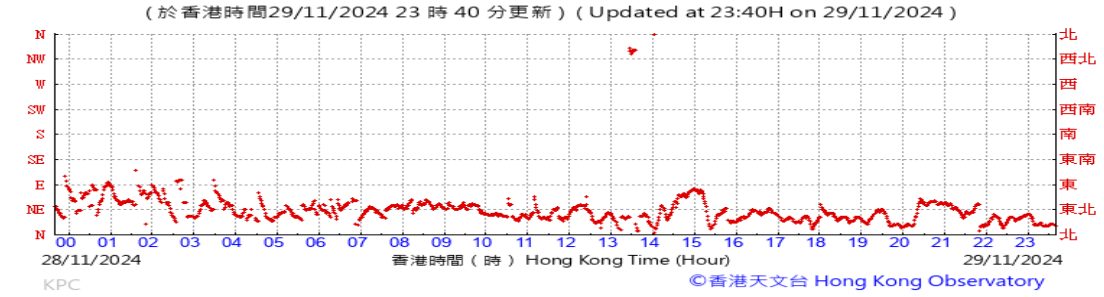

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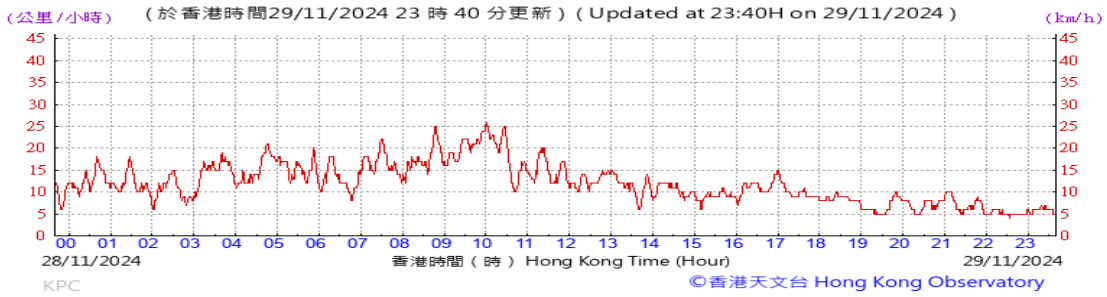
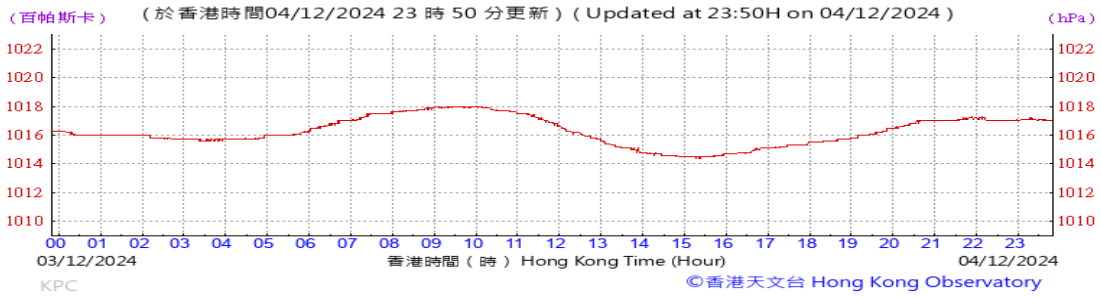


Temperature/Humidity:

Pressure:



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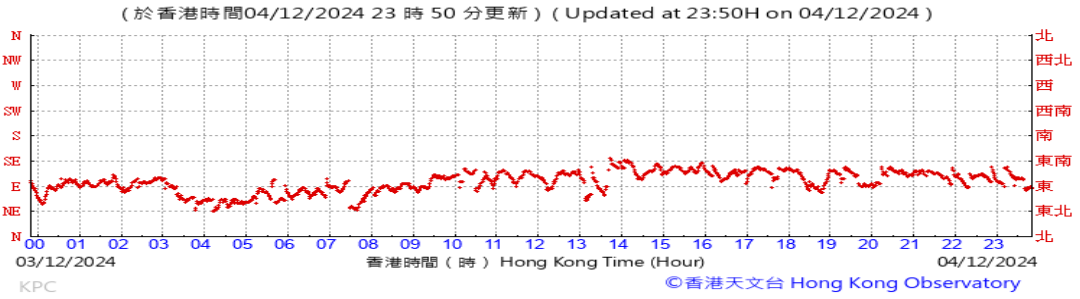
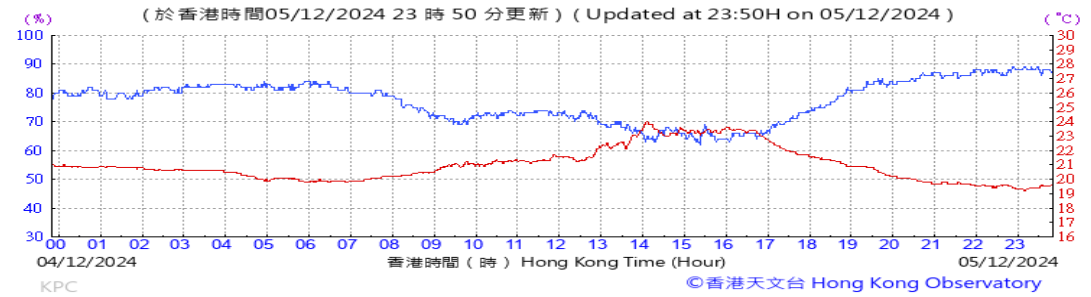


Wind Speed:

Temperature/Humidity:



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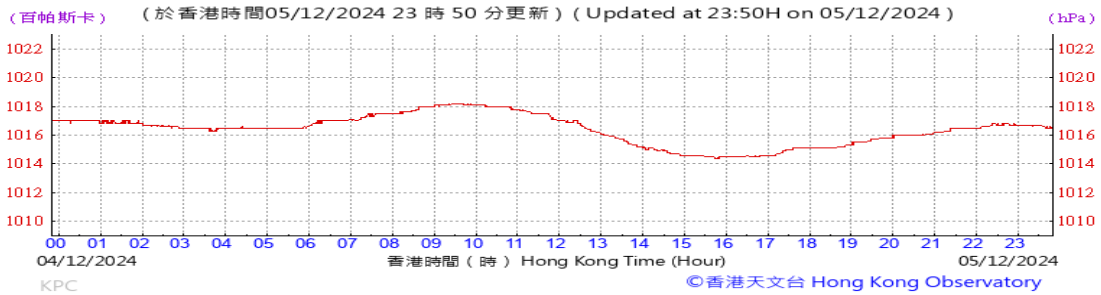

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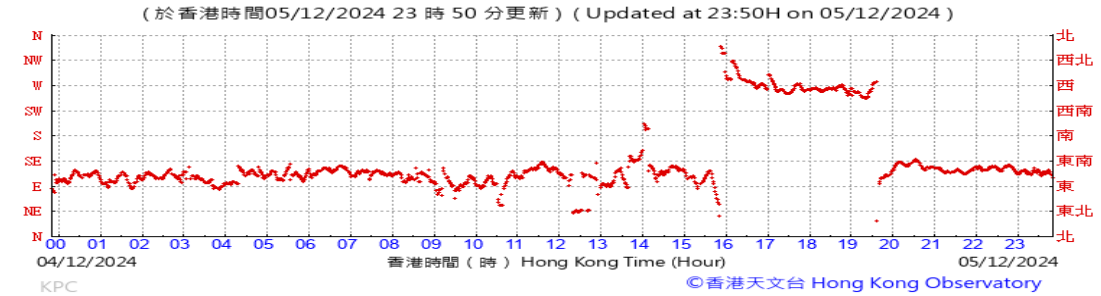
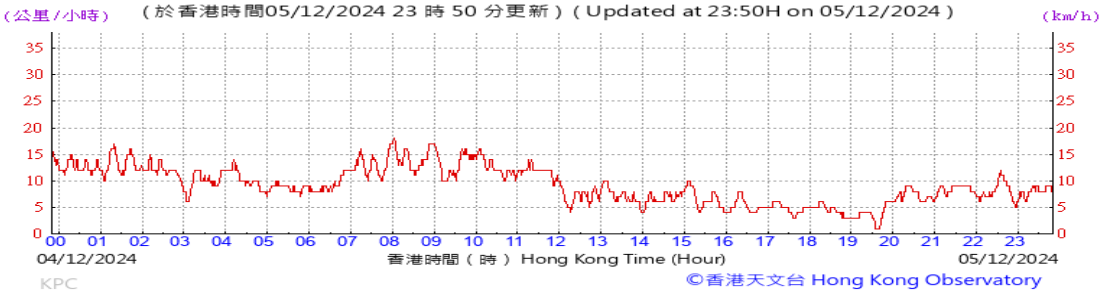
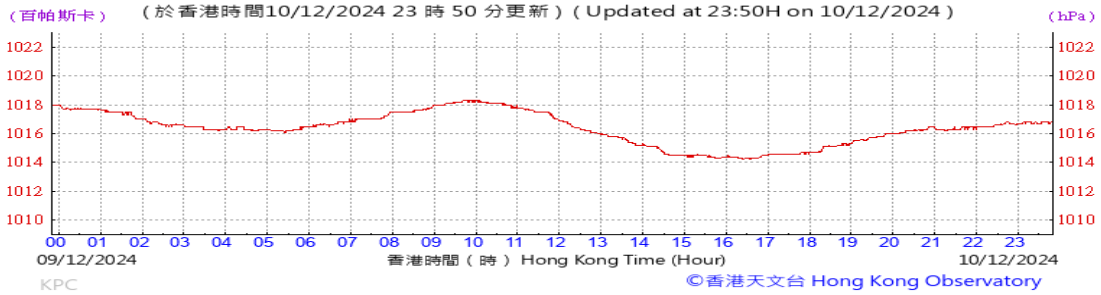


Wind Speed:

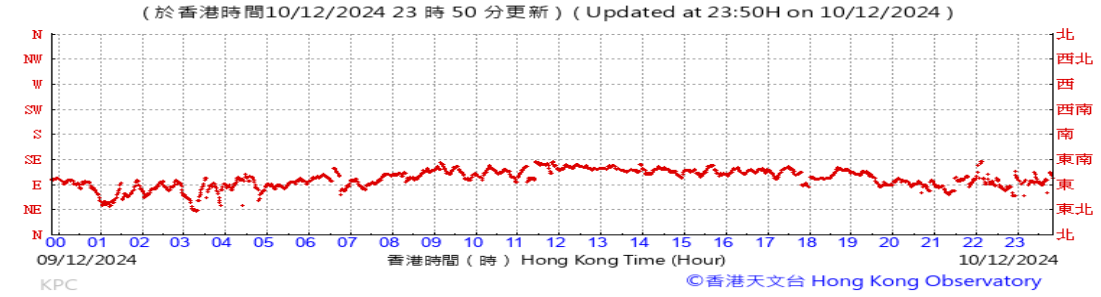


Temperature/Humidity:

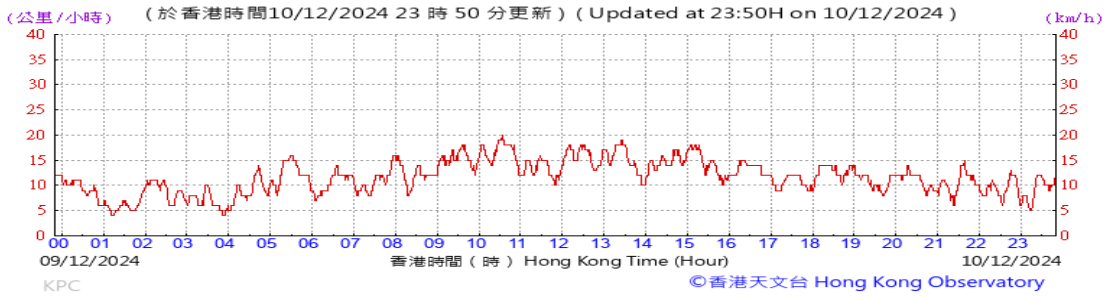
Pressure:



Wind Direction:

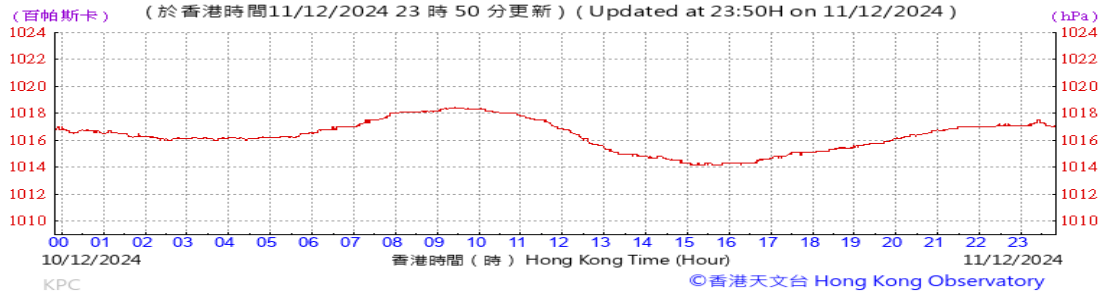


Wind Speed:

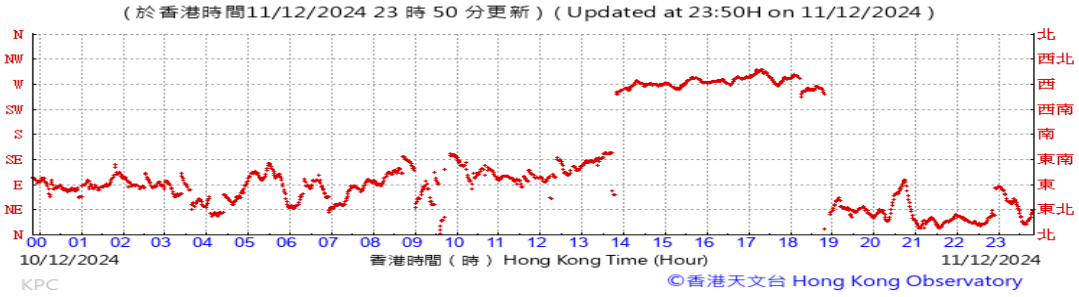


Temperature/Humidity:

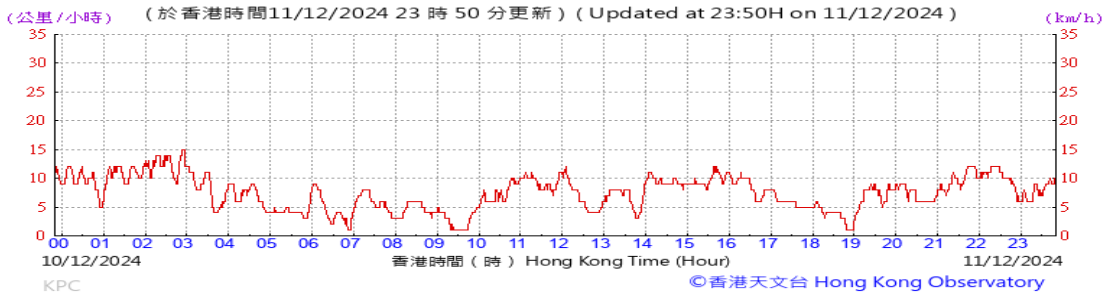
Pressure:



Wind Direction:



Wind Speed:



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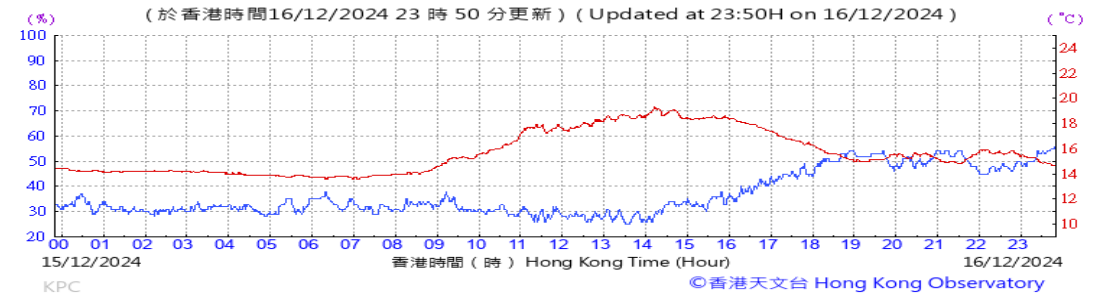

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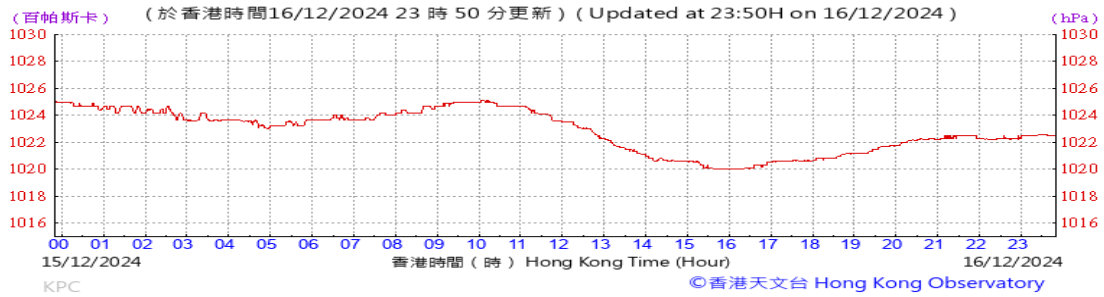

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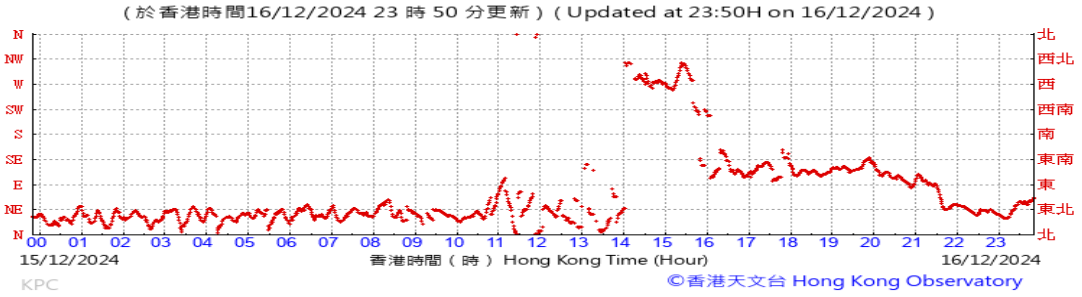

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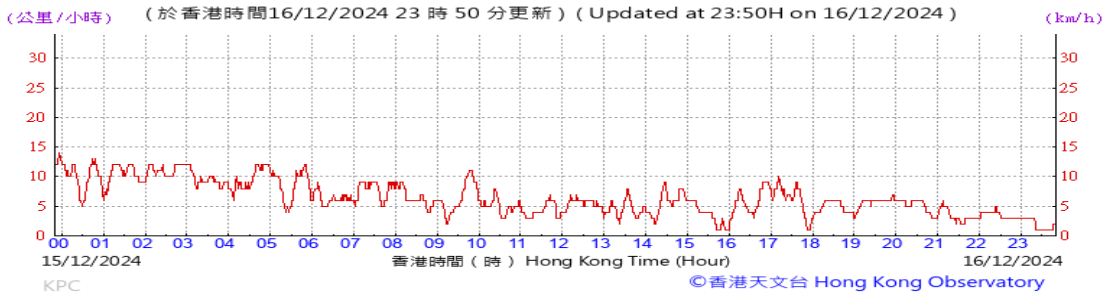

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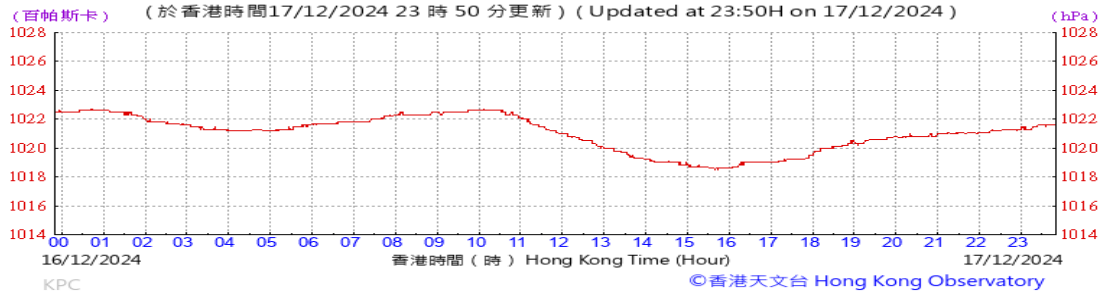

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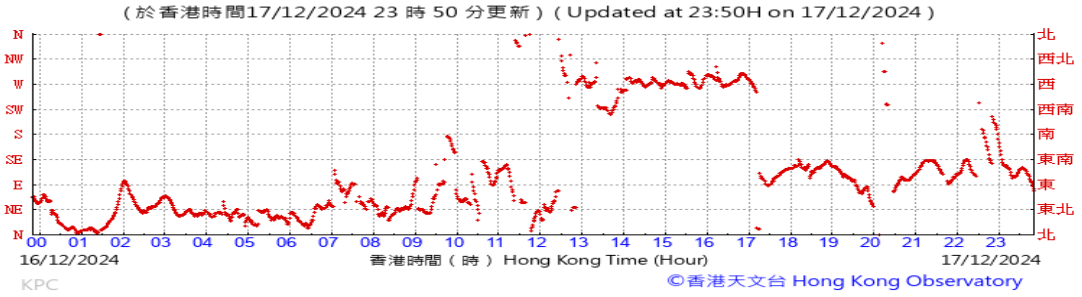

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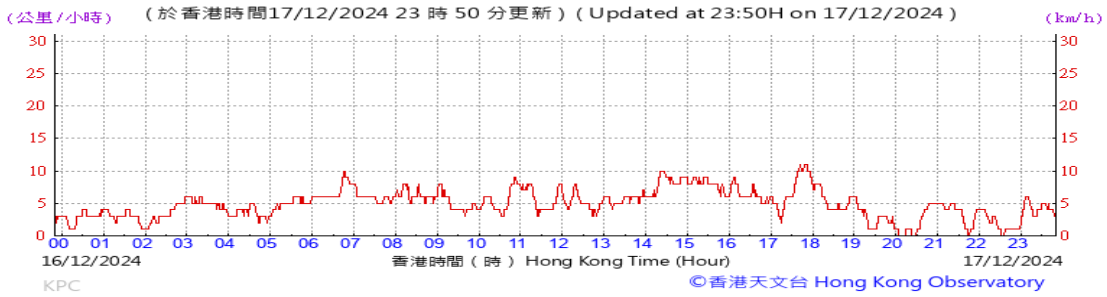

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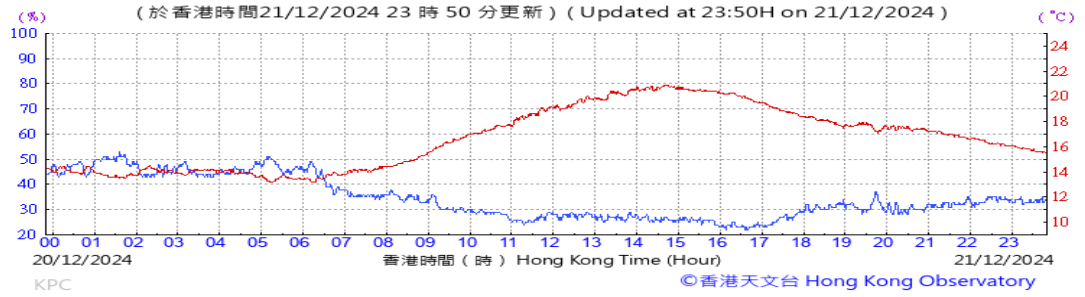

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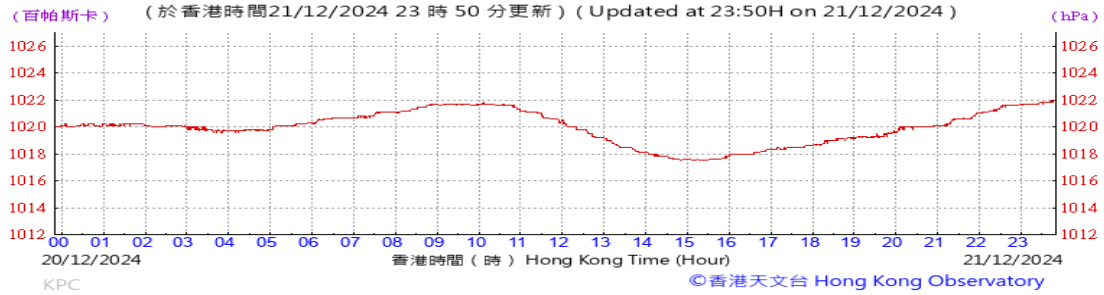

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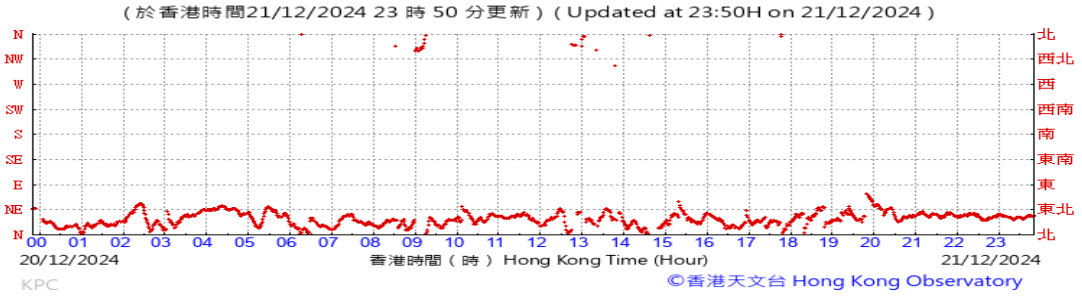

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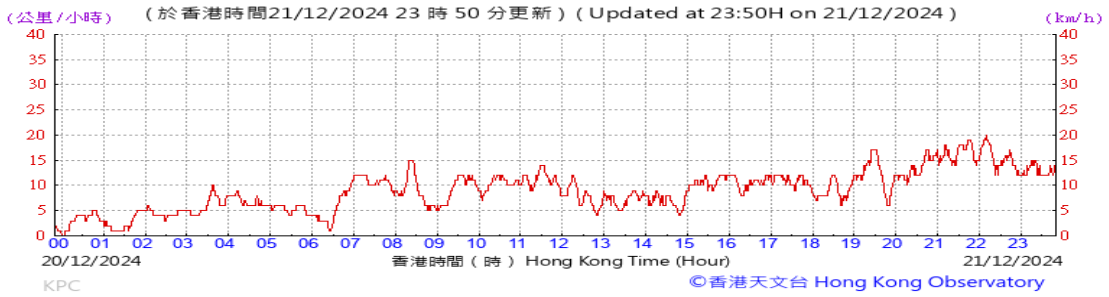

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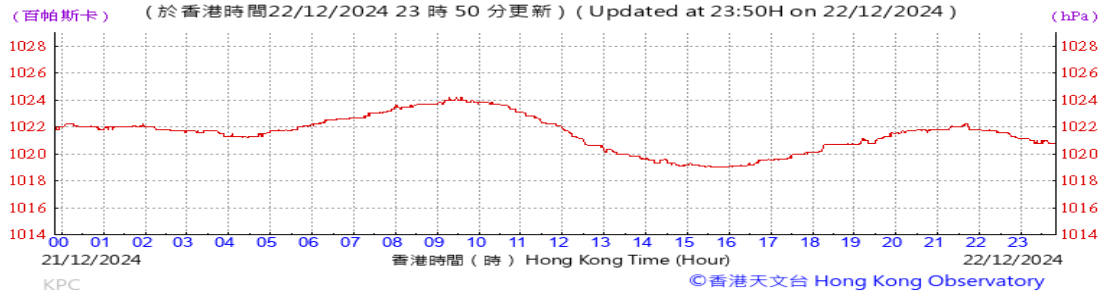

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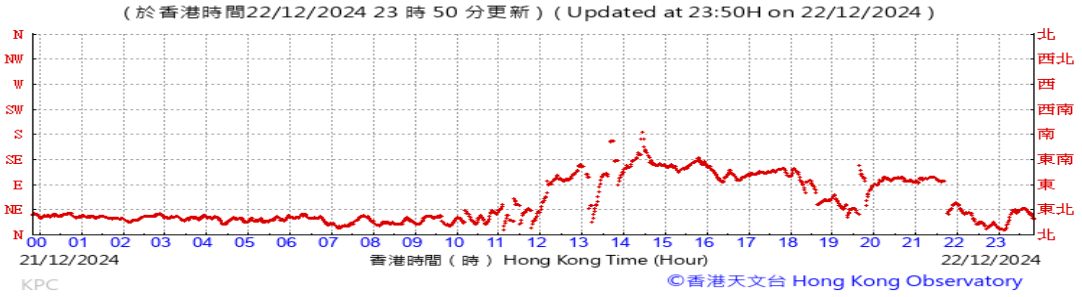

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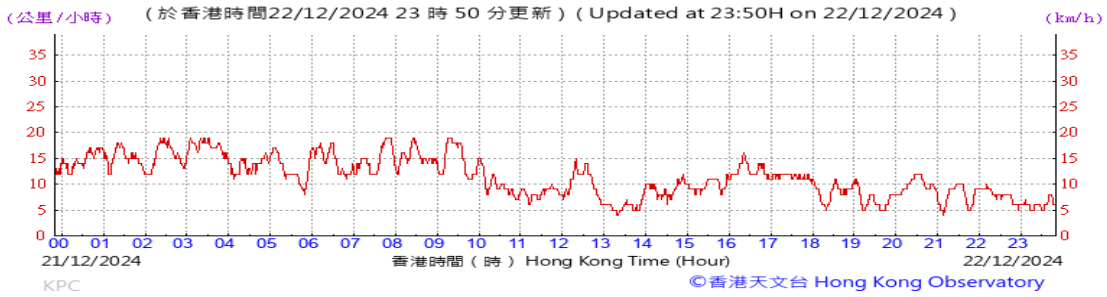

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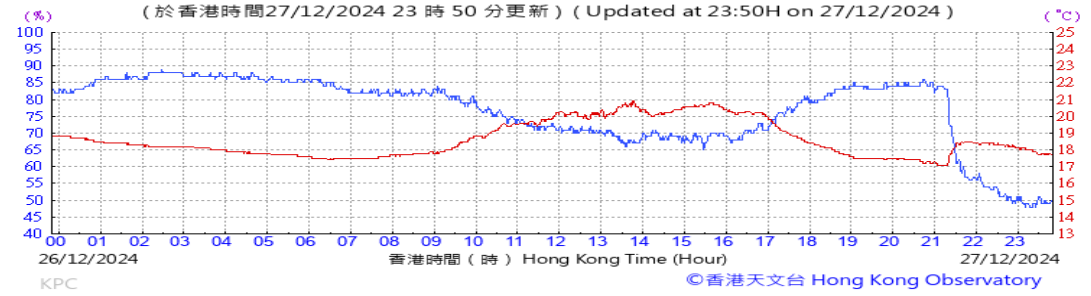

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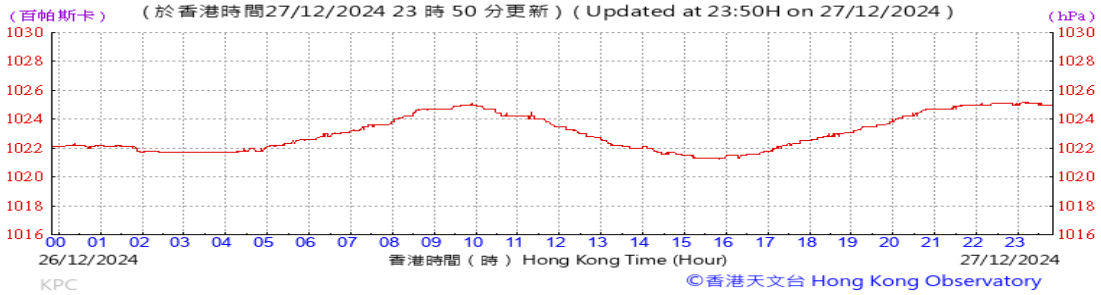

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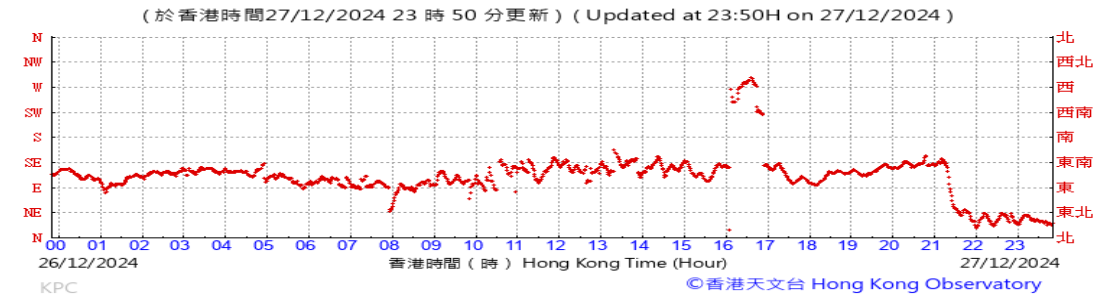

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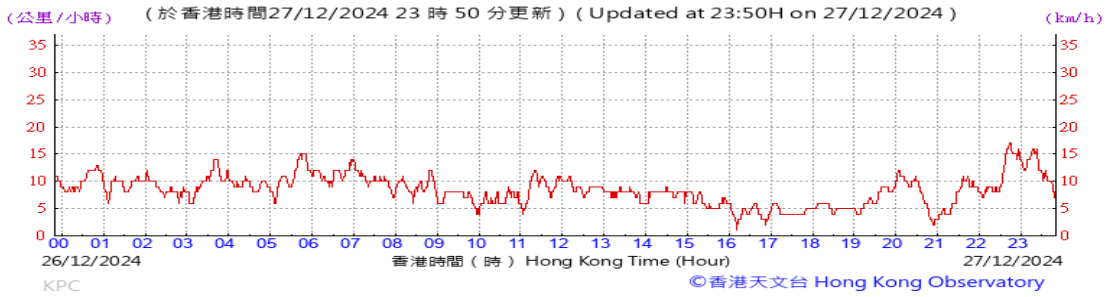

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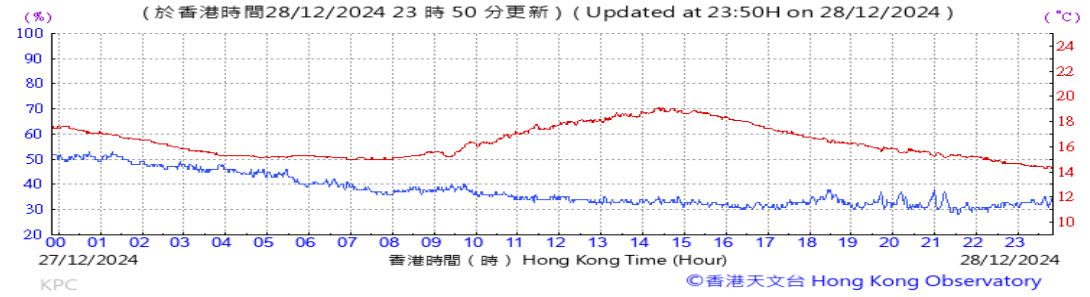

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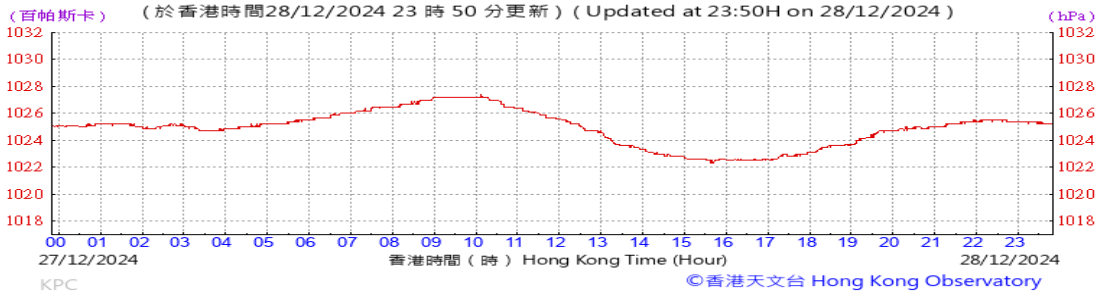

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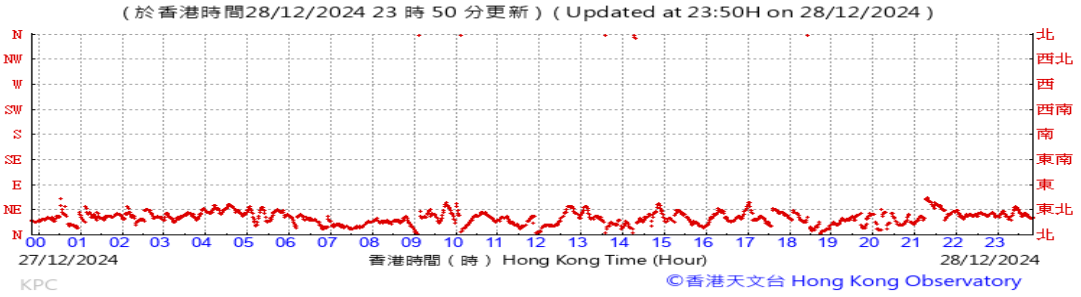

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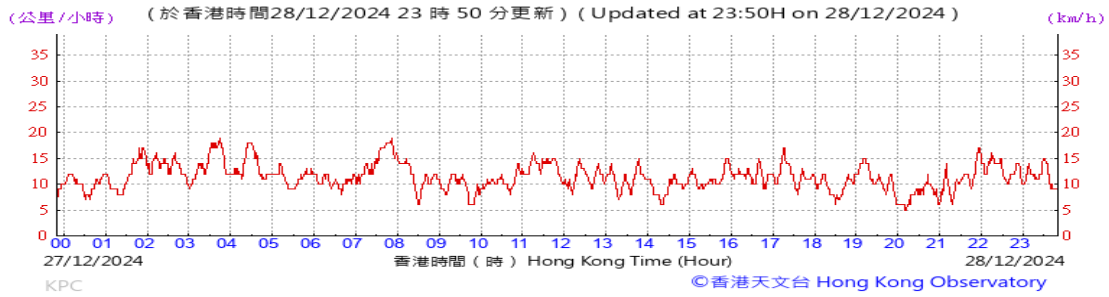

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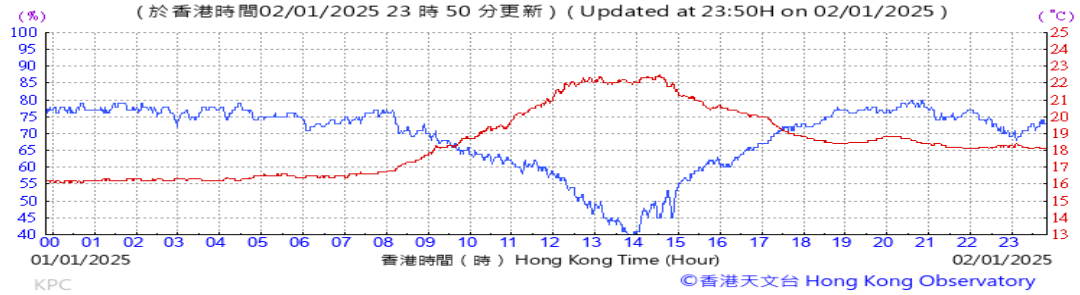

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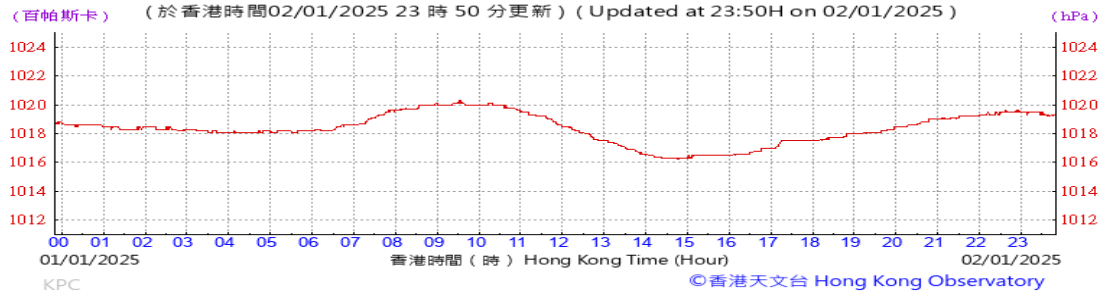

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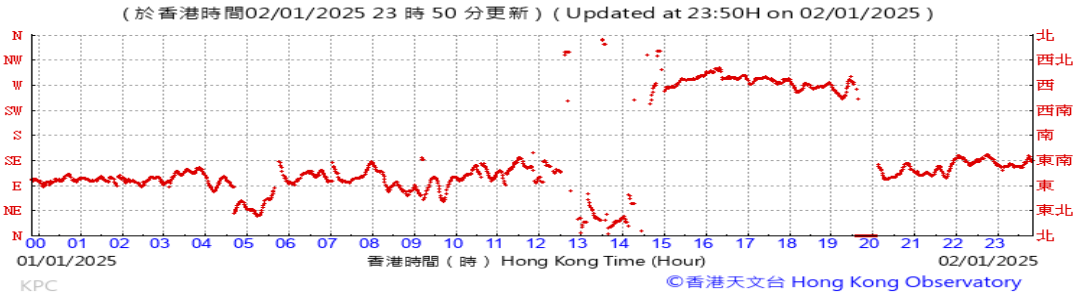

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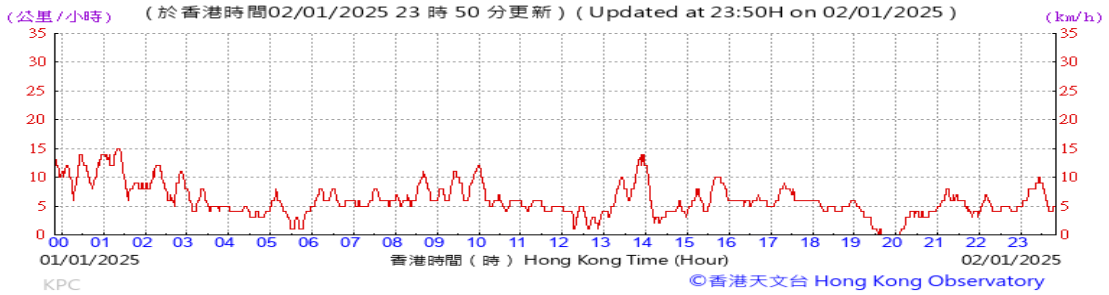

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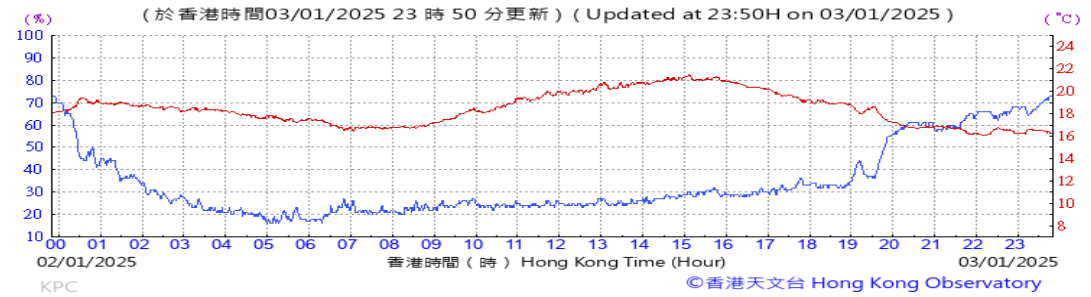

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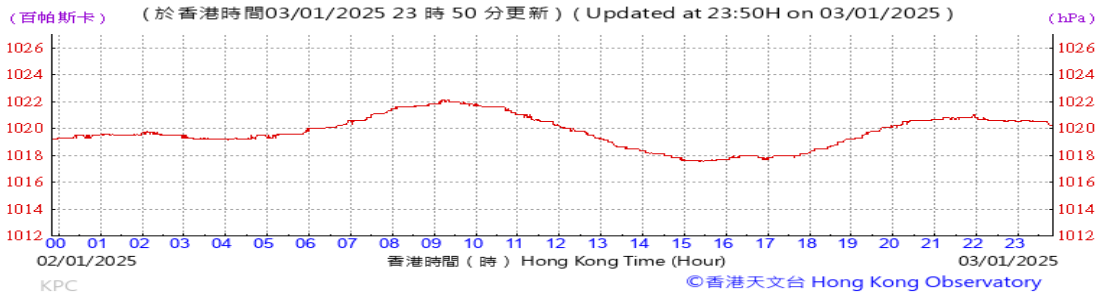

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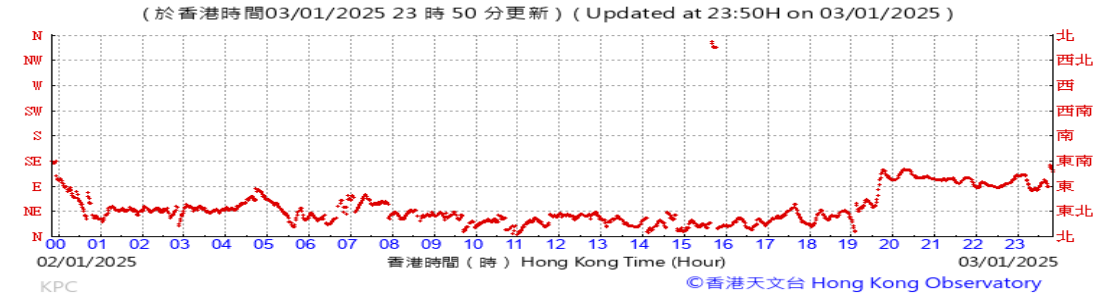

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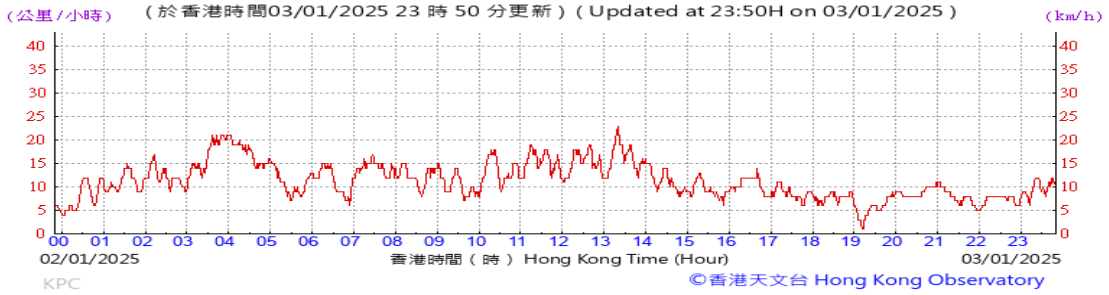

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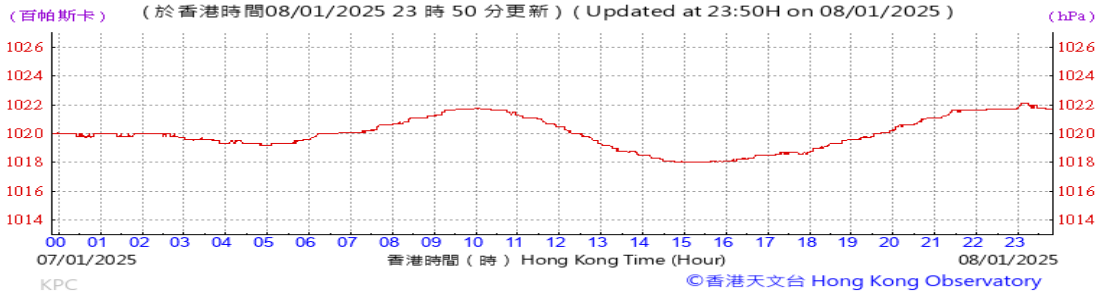

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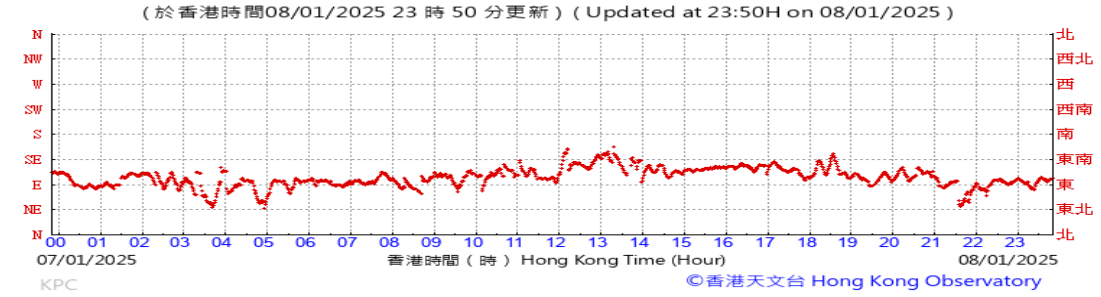

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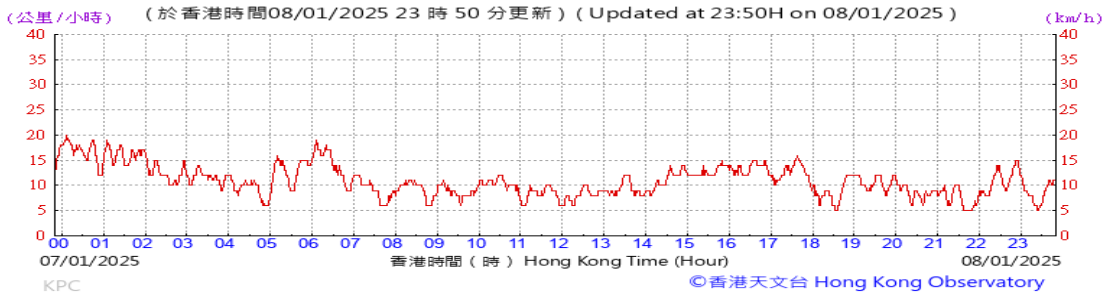

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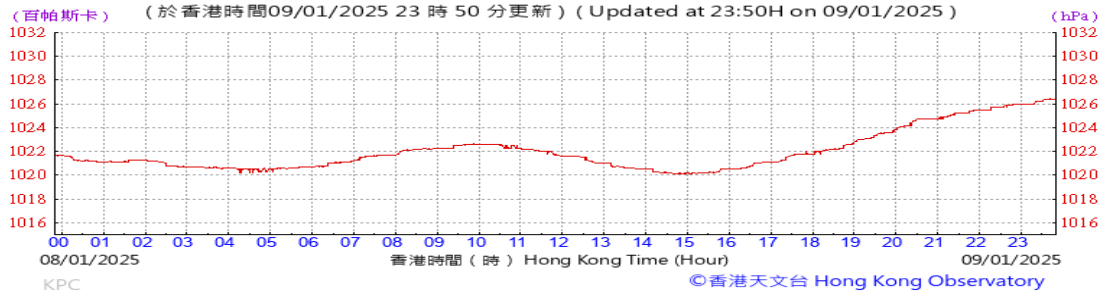

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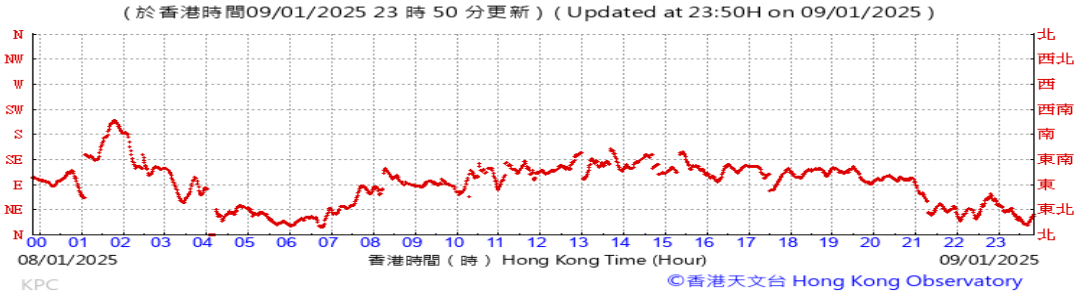

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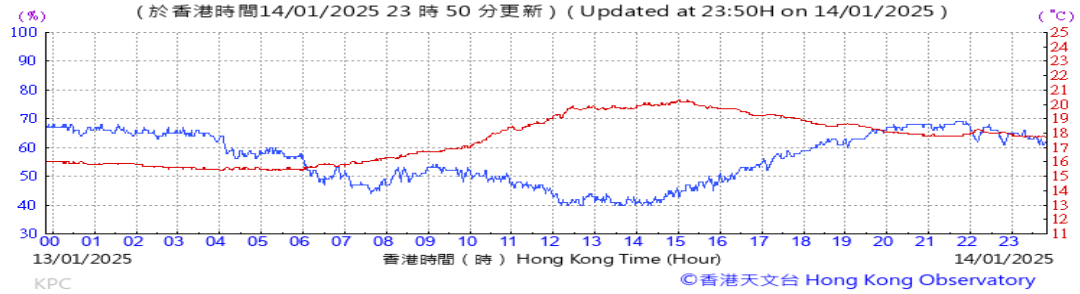

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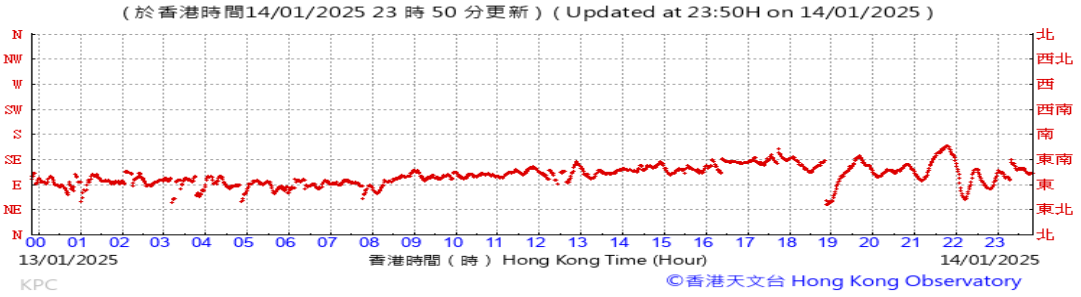

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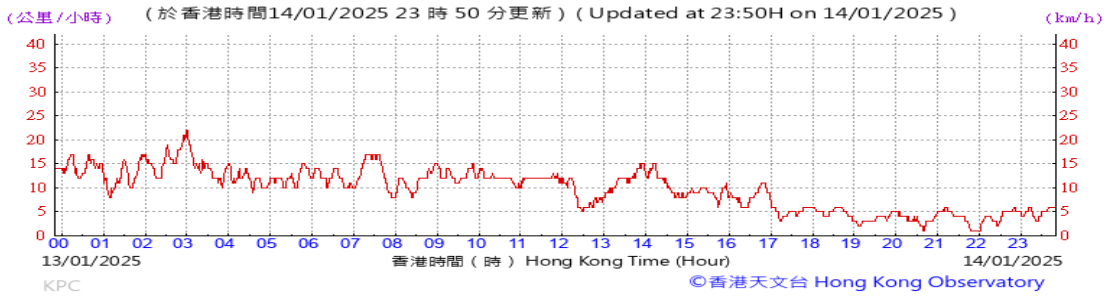

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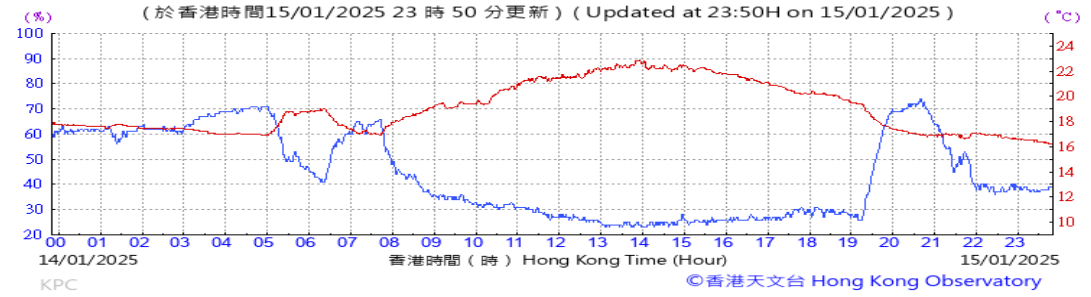

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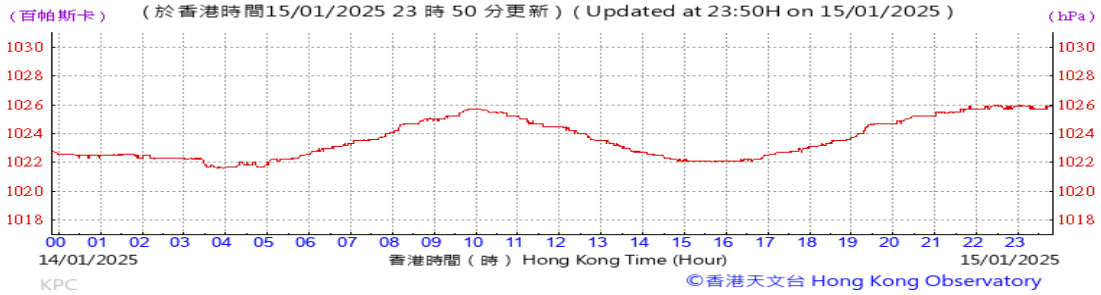

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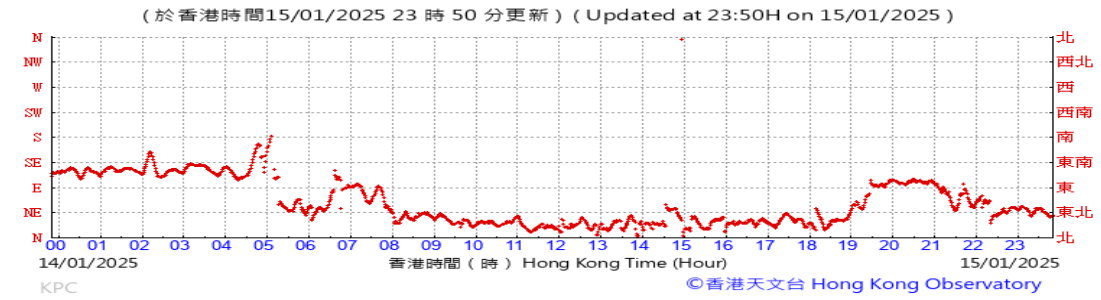

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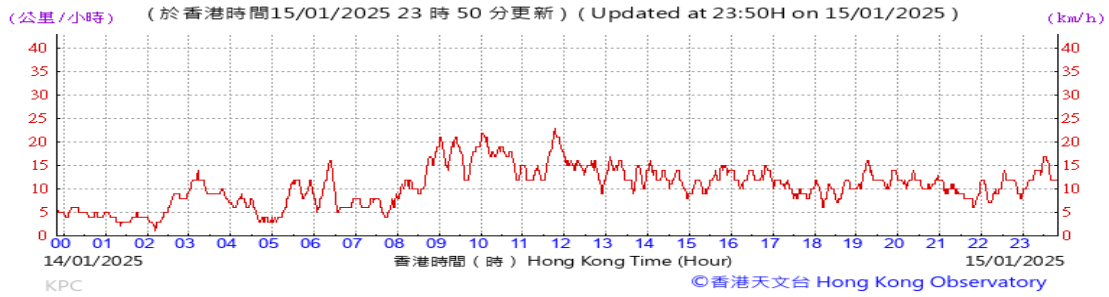

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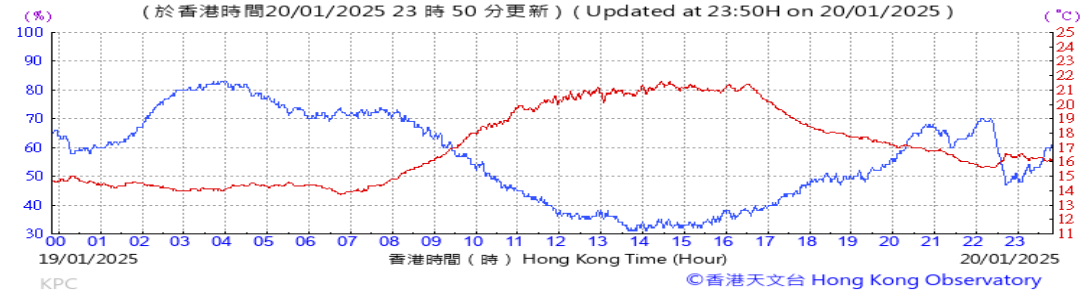

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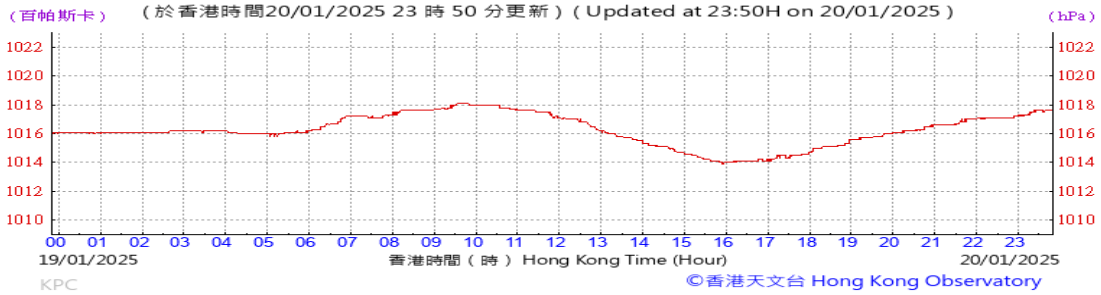

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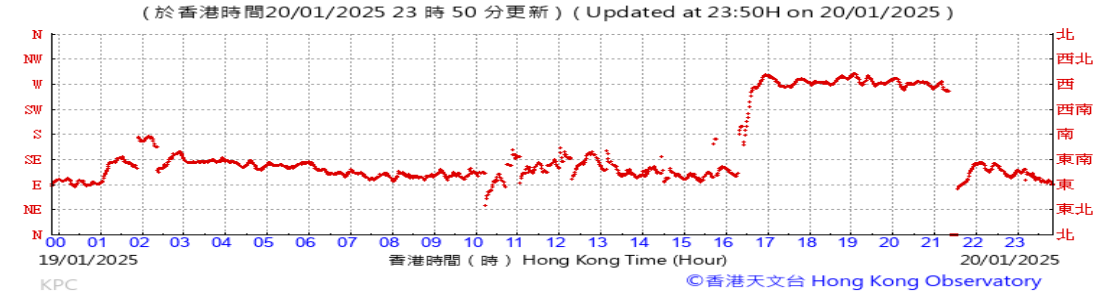

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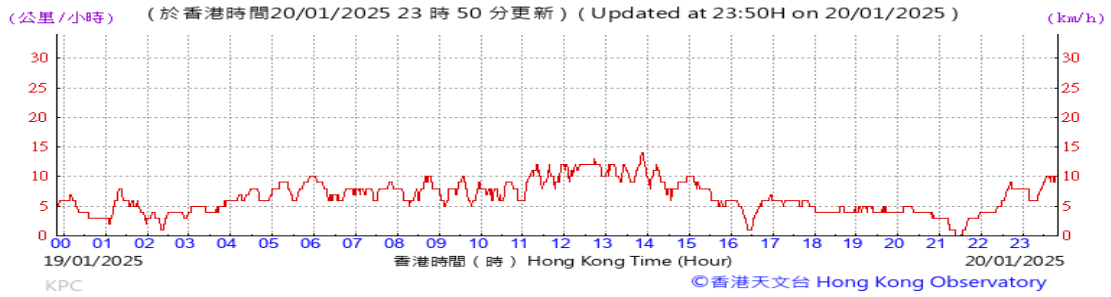

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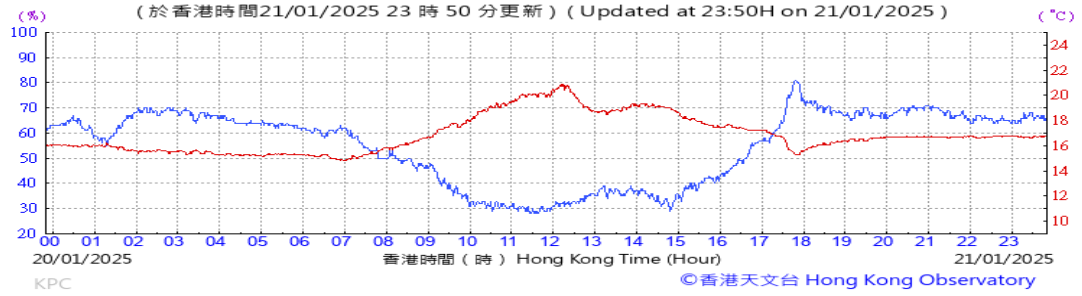

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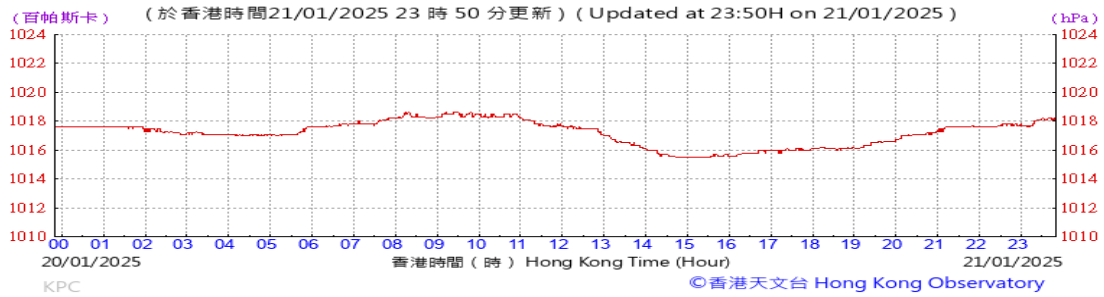

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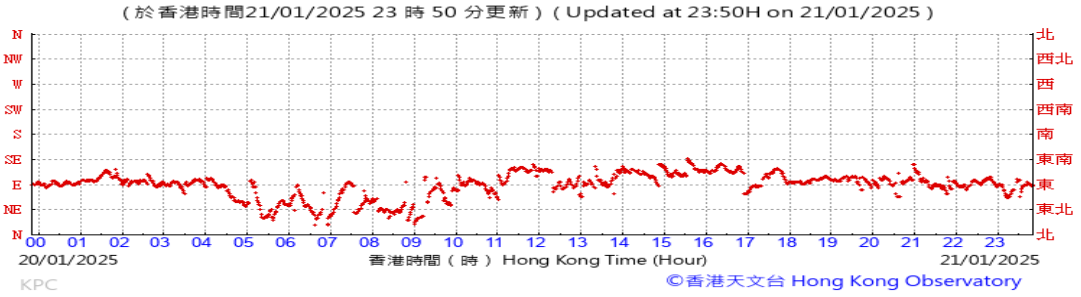

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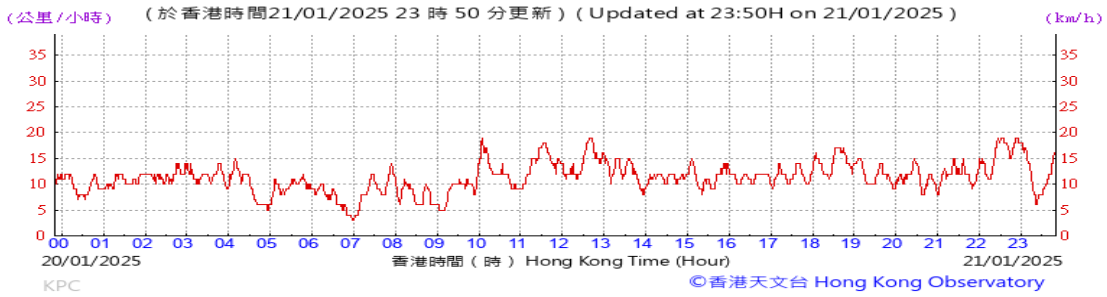

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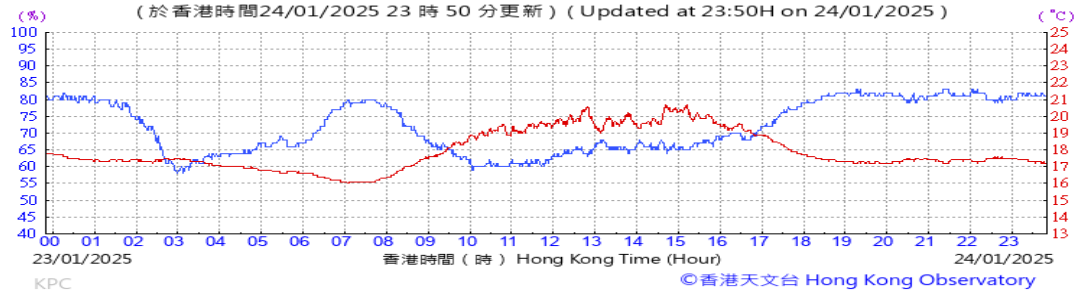

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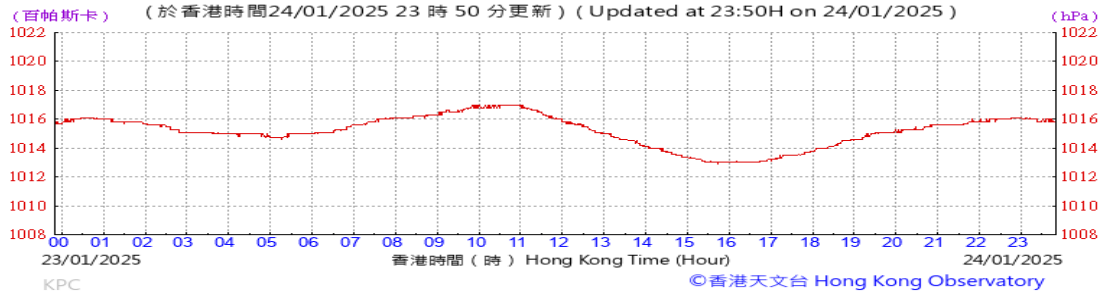

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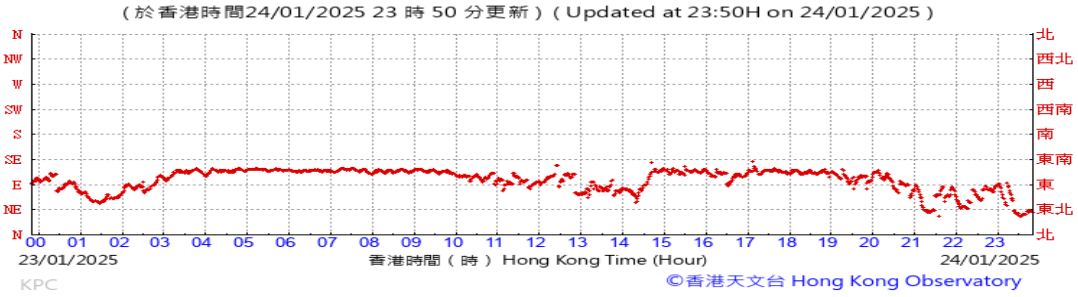

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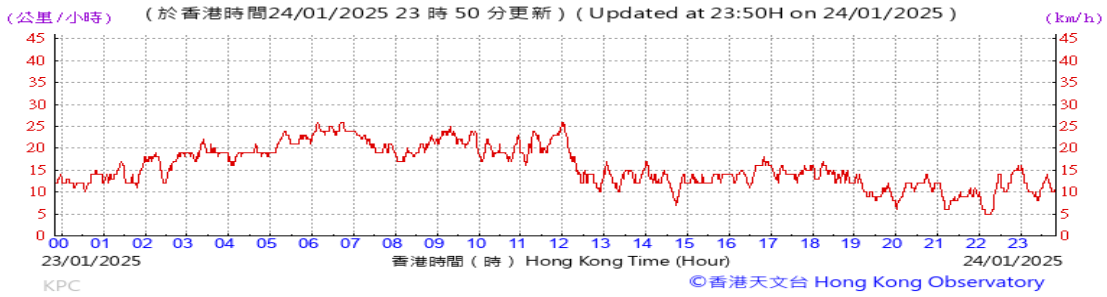

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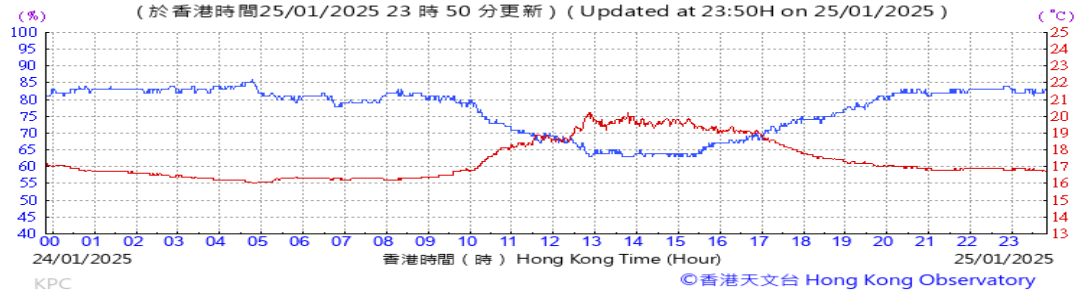

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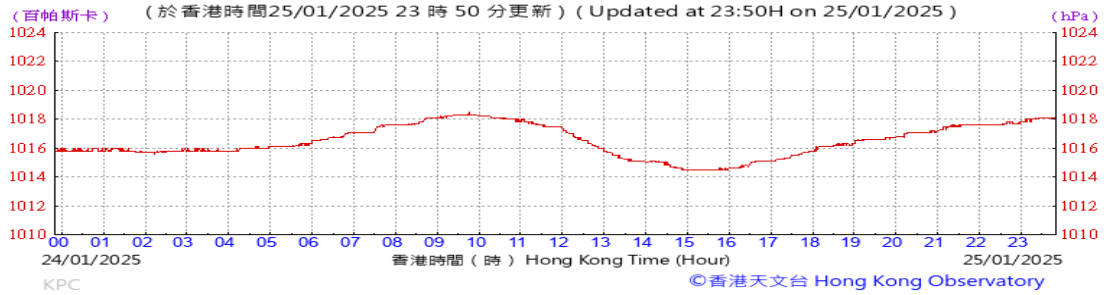

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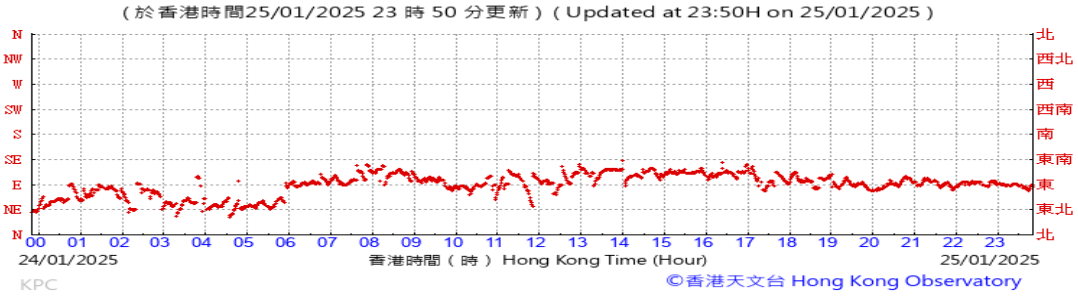

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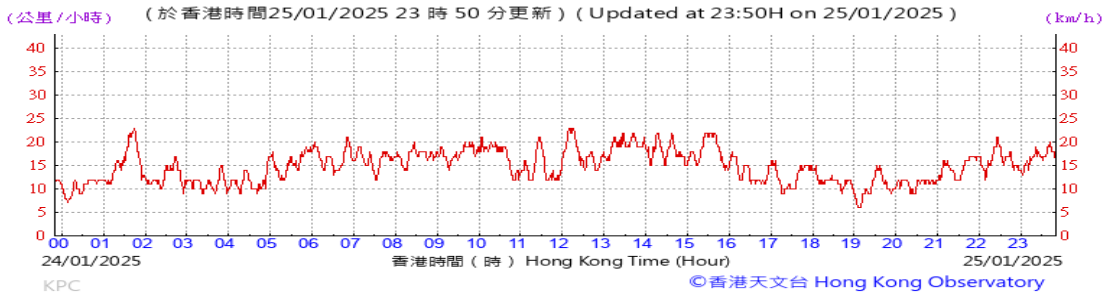
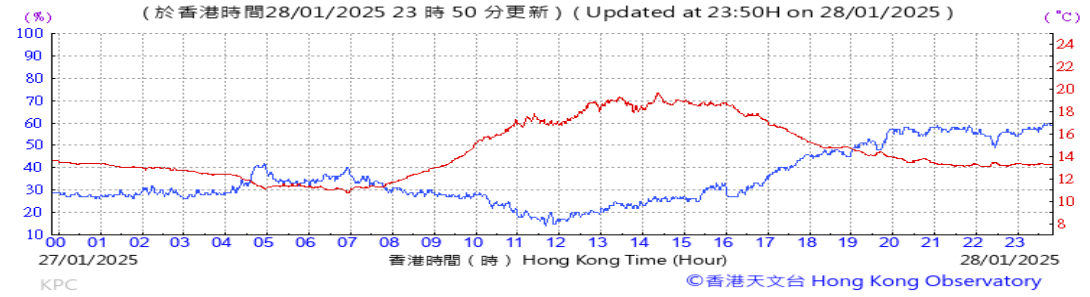
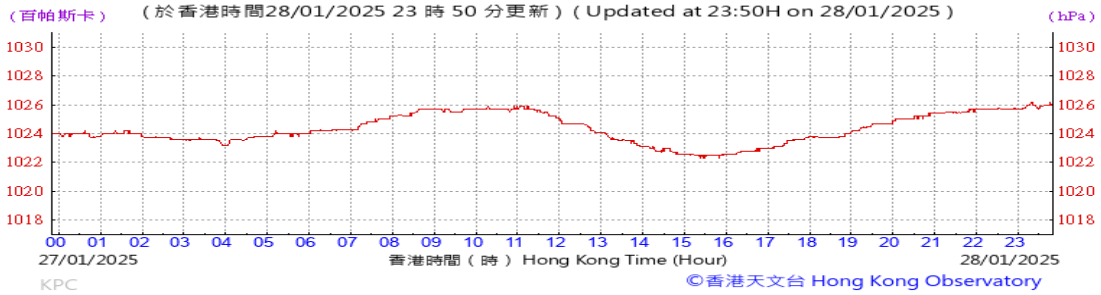


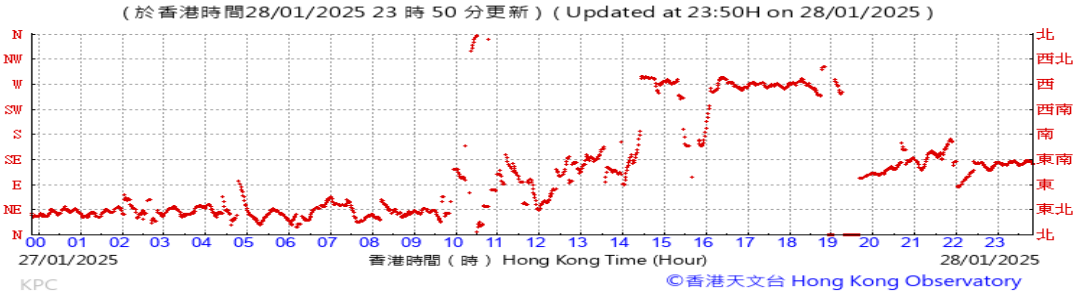
Temperature/Humidity:



Pressure:

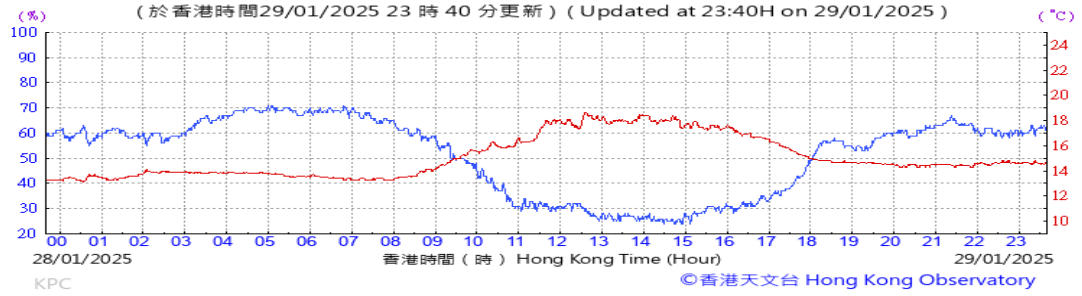


Wind Direction:

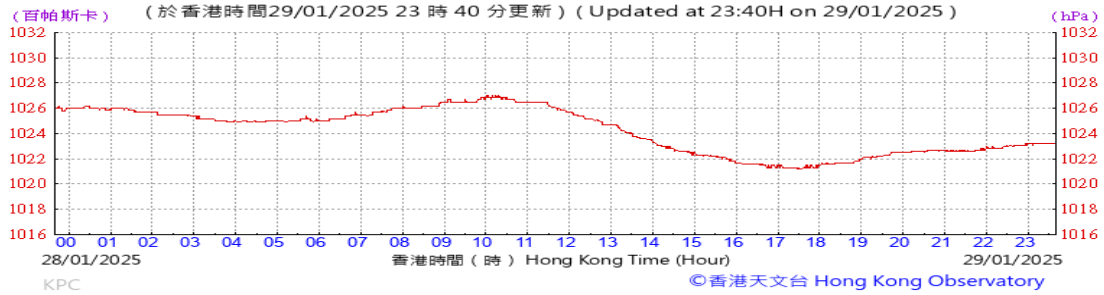


Wind Speed:

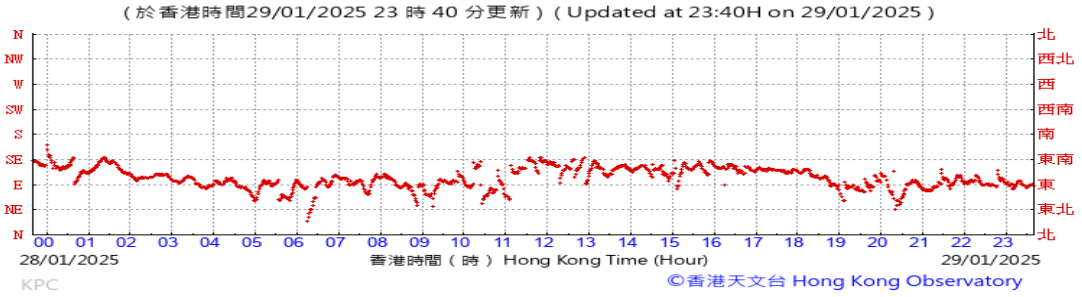
Temperature/Humidity:



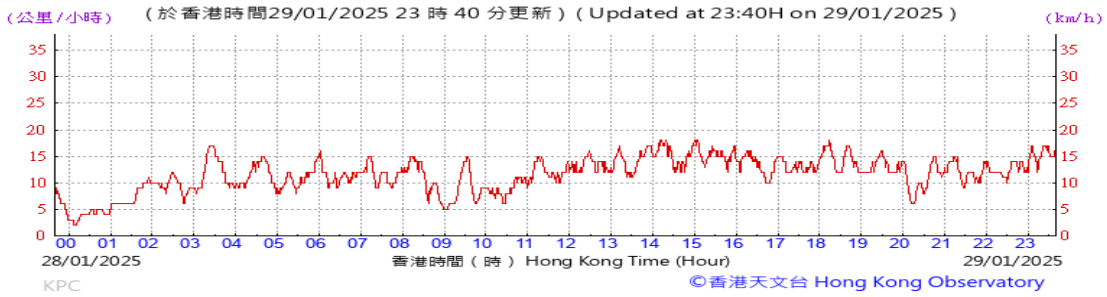
Pressure:



Wind Direction:



Wind Speed:

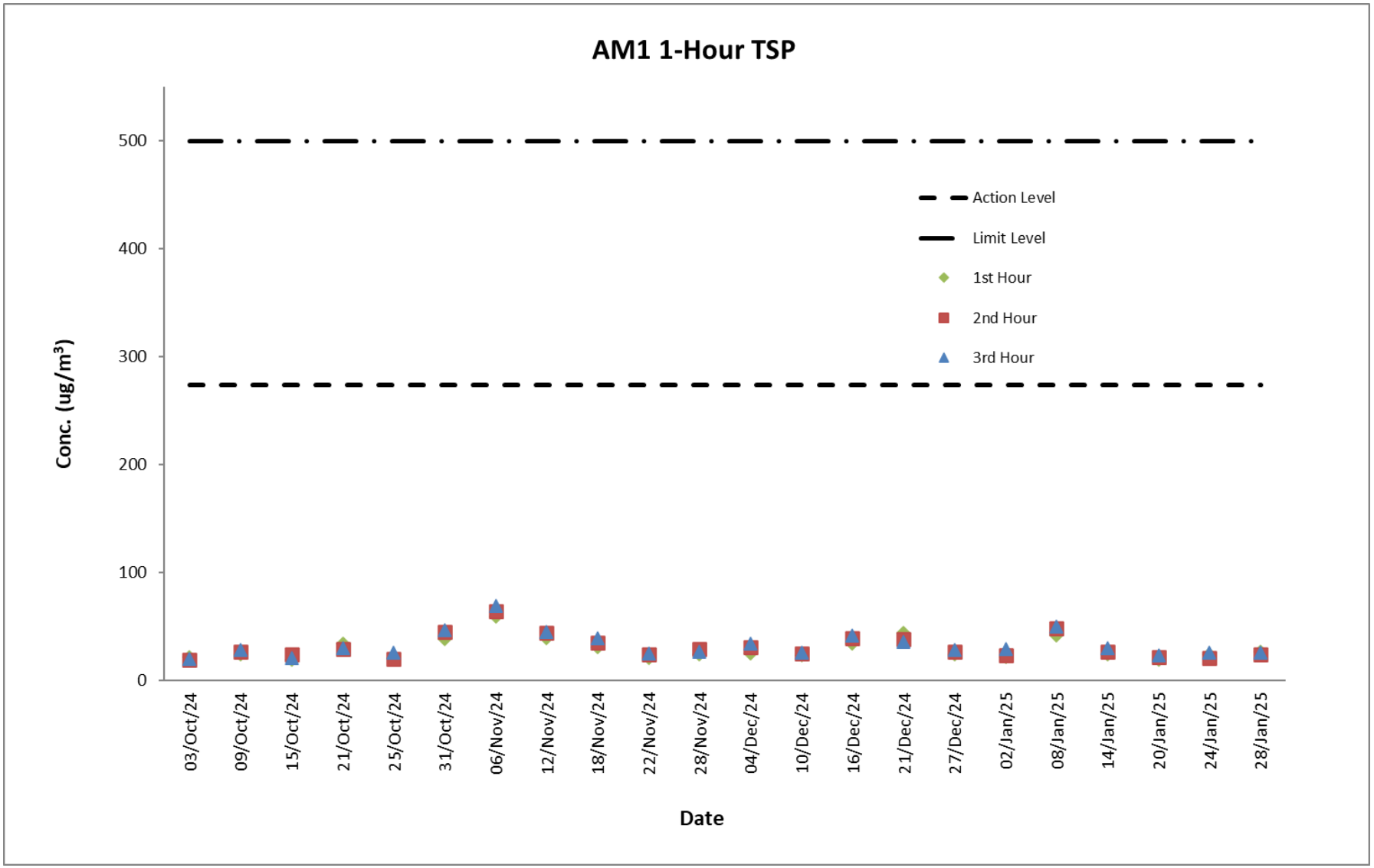


E. Graphical Plots of the Monitoring Results

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		
6-Nov-24	Fine	8:35 - 11:35	59	64	69	273.7	500
12-Nov-24	Sunny	8:33 - 11:33	39	44	45	273.7	500
18-Nov-24	Fine	8:33 - 11:33	31	35	39	273.7	500
22-Nov-24	Cloudy	8:38 - 11:38	21	24	25	273.7	500
28-Nov-24	Sunny	8:33 - 11:33	24	29	27	273.7	500
4-Dec-24	Fine	8:33 - 11:33	25	31	34	273.7	500
10-Dec-24	Cloudy	8:23 - 11:23	23	25	26	273.7	500
16-Dec-24	Cloudy	8:33 - 11:33	34	39	42	273.7	500
21-Dec-24	Sunny	8:32 - 11:32	44	38	36	273.7	500
27-Dec-24	Cloudy	8:33 - 11:33	24	27	28	273.7	500
2-Jan-25	Cloudy	8:33 - 11:33	22	23	29	273.7	500
8-Jan-25	Cloudy	8:34 - 11:34	42	48	50	273.7	500
14-Jan-25	Cloudy	8:33 - 11:33	24	27	30	273.7	500
20-Jan-25	Sunny	8:31 - 11:31	19	22	23	273.7	500
24-Jan-25	Sunny	8:33 - 11:33	24	21	26	273.7	500
28-Jan-25	Sunny	8:23 - 11:23	27	24	26	273.7	500

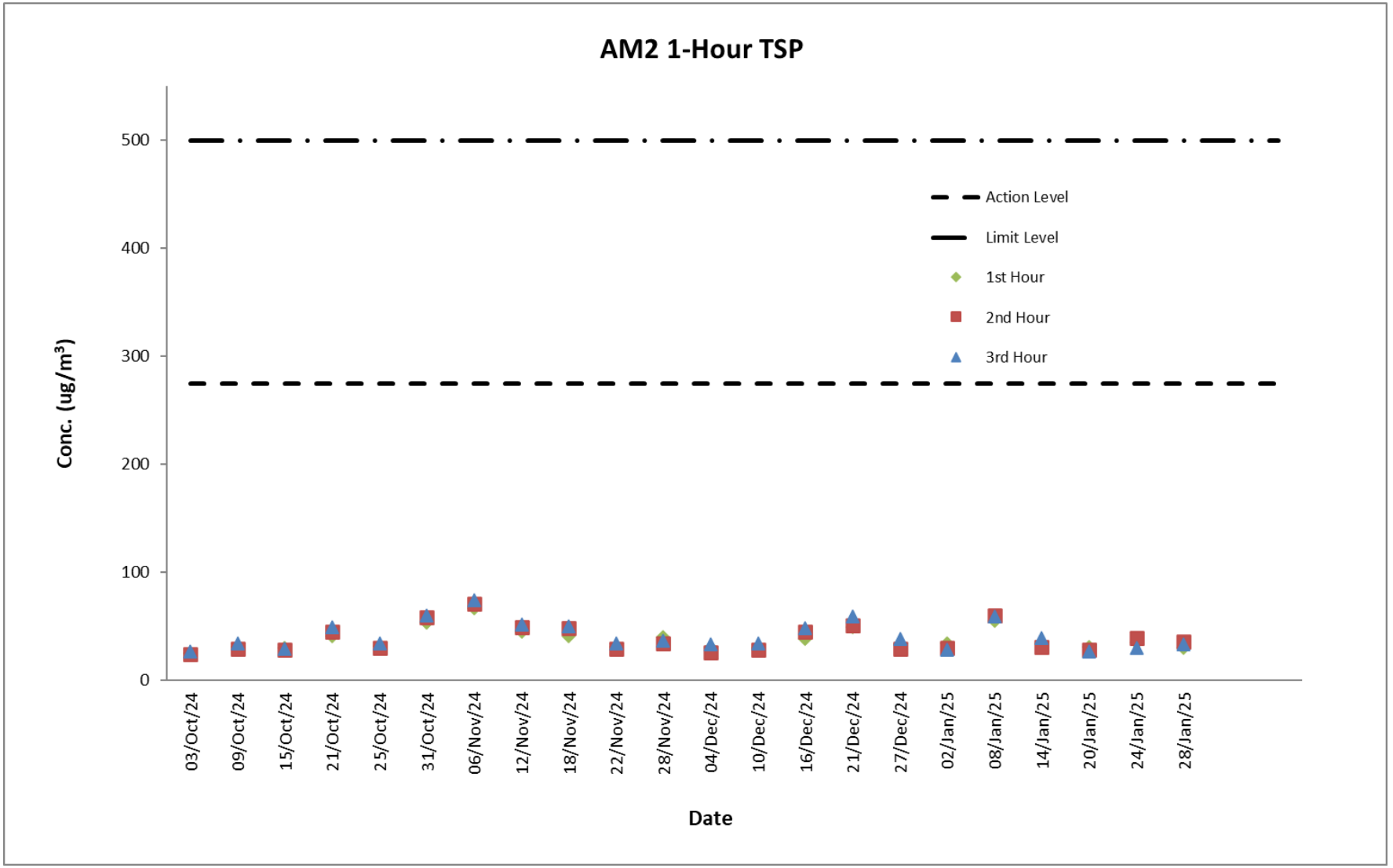
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



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		
6-Nov-24	Fine	8:50 - 11:50	67	71	74	274.2	500
12-Nov-24	Sunny	8:49 - 11:49	45	49	52	274.2	500
18-Nov-24	Fine	8:48 - 11:48	41	48	50	274.2	500
22-Nov-24	Cloudy	8:42 - 11:42	31	29	34	274.2	500
28-Nov-24	Sunny	8:49 - 11:49	40	34	37	274.2	500
4-Dec-24	Fine	8:47 - 11:47	30	26	33	274.2	500
10-Dec-24	Cloudy	8:38 - 11:38	30	28	34	274.2	500
16-Dec-24	Cloudy	8:48 - 11:48	38	45	48	274.2	500
21-Dec-24	Sunny	8:47 - 11:47	49	51	59	274.2	500
27-Dec-24	Cloudy	8:48 - 11:48	33	29	38	274.2	500
2-Jan-25	Cloudy	8:48 - 11:48	34	30	28	274.2	500
8-Jan-25	Cloudy	8:50 - 11:50	55	60	59	274.2	500
14-Jan-25	Cloudy	8:49 - 11:49	34	31	39	274.2	500
20-Jan-25	Sunny	8:47 - 11:47	31	28	27	274.2	500
24-Jan-25	Sunny	8:49 - 11:49	35	39	30	274.2	500
28-Jan-25	Sunny	8:38 - 11:38	30	36	33	274.2	500

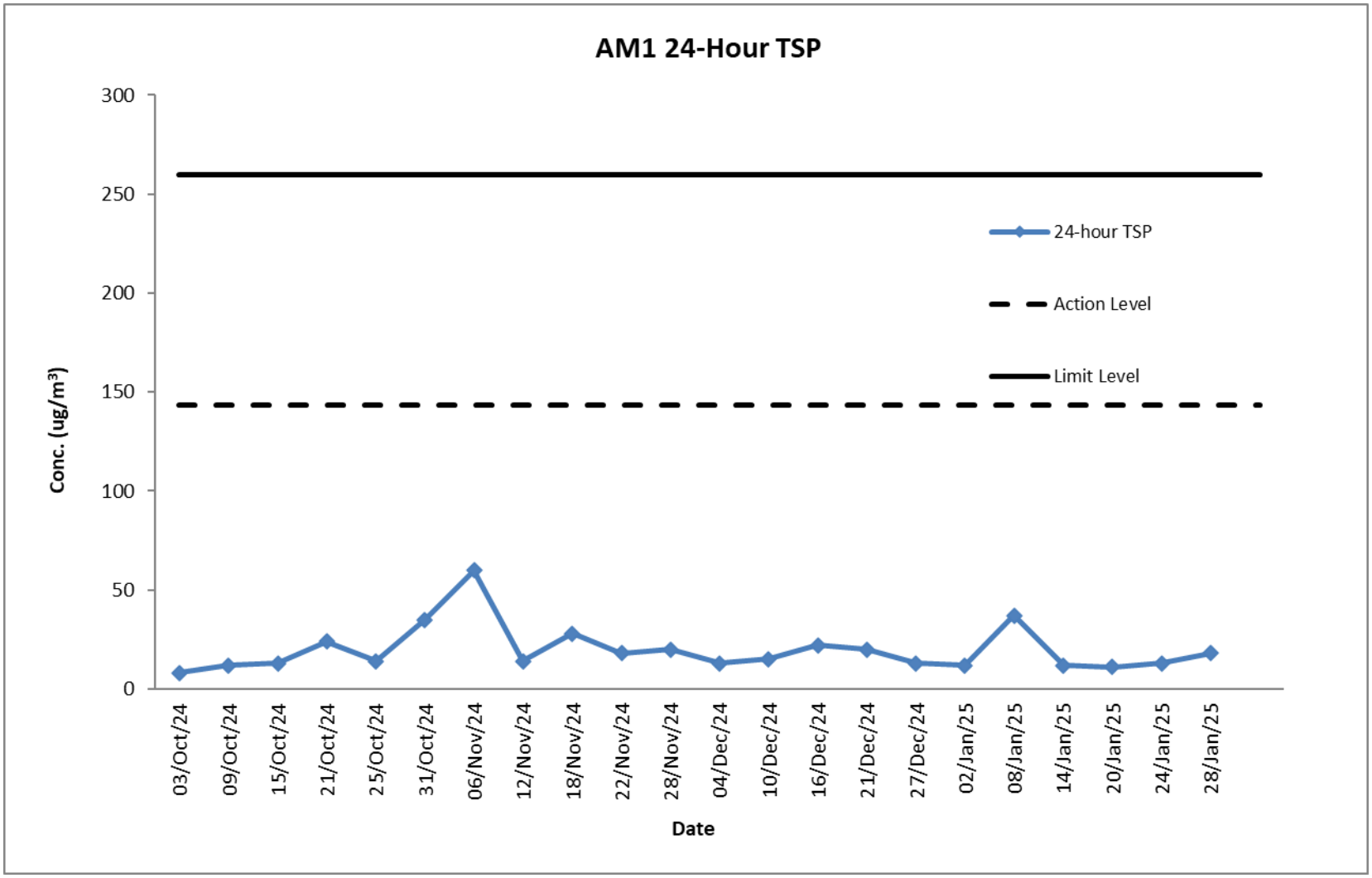
Graphical Presentation of Air Quality Monitoring Result at Station AM2 (1-hour TSP)



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
6-Nov-24	8:32	7-Nov-24	8:32	2.7931	2.898	28876.38	28900.38	24	1.22	1.22	1.22	60	Fine	143.6	260
12-Nov-24	8:30	13-Nov-24	8:30	2.799	2.8236	28900.38	28924.38	24	1.22	1.22	1.22	14	Sunny	143.6	260
18-Nov-24	8:30	19-Nov-24	8:30	2.7884	2.8384	28924.38	28948.38	24	1.22	1.22	1.22	28	Fine	143.6	260
22-Nov-24	8:35	23-Nov-24	8:35	2.7857	2.8177	28948.38	28972.38	24	1.22	1.22	1.22	18	Cloudy	143.6	260
28-Nov-24	8:30	29-Nov-24	8:30	2.7819	2.8162	28972.38	28996.38	24	1.22	1.22	1.22	20	Sunny	143.6	260
4-Dec-24	8:30	5-Dec-24	8:30	2.7926	2.8149	28996.38	29020.38	24	1.22	1.22	1.22	13	Fine	143.6	260
10-Dec-24	8:20	11-Dec-24	8:20	2.7918	2.8180	29020.38	29044.38	24	1.22	1.22	1.22	15	Cloudy	143.6	260
16-Dec-24	9:32	17-Dec-24	9:32	2.7832	2.8223	29044.38	29068.38	24	1.22	1.22	1.22	22	Cloudy	143.6	260
21-Dec-24	8:30	22-Dec-24	8:30	2.7808	2.8162	29068.38	29092.38	24	1.22	1.22	1.22	20	Sunny	143.6	260
27-Dec-24	8:30	28-Dec-24	8:30	2.7785	2.8010	29092.38	29116.38	24	1.22	1.22	1.22	13	Cloudy	143.6	260
2-Jan-25	8:30	3-Jan-25	8:30	2.8267	2.8475	29116.38	29140.38	24	1.22	1.22	1.22	12	Cloudy	143.6	260
8-Jan-25	8:31	9-Jan-25	8:31	2.8116	2.866	29140.38	29164.38	24	1.02	1.02	1.02	37	Cloudy	143.6	260
14-Jan-25	8:30	15-Jan-25	8:30	2.8042	2.822	29164.38	29188.38	24	1.02	1.02	1.02	12	Cloudy	143.6	260
20-Jan-25	8:28	21-Jan-25	8:28	2.8082	2.8245	29188.38	29212.38	24	1.02	1.02	1.02	11	Sunny	143.6	260
24-Jan-25	8:30	25-Jan-25	8:30	2.8158	2.8350	29212.38	29236.38	24	1.02	1.02	1.02	13	Sunny	143.6	260
28-Jan-25	8:20	29-Jan-25	8:20	2.8010	2.8272	29236.38	29260.38	24	1.02	1.02	1.02	18	Sunny	143.6	260

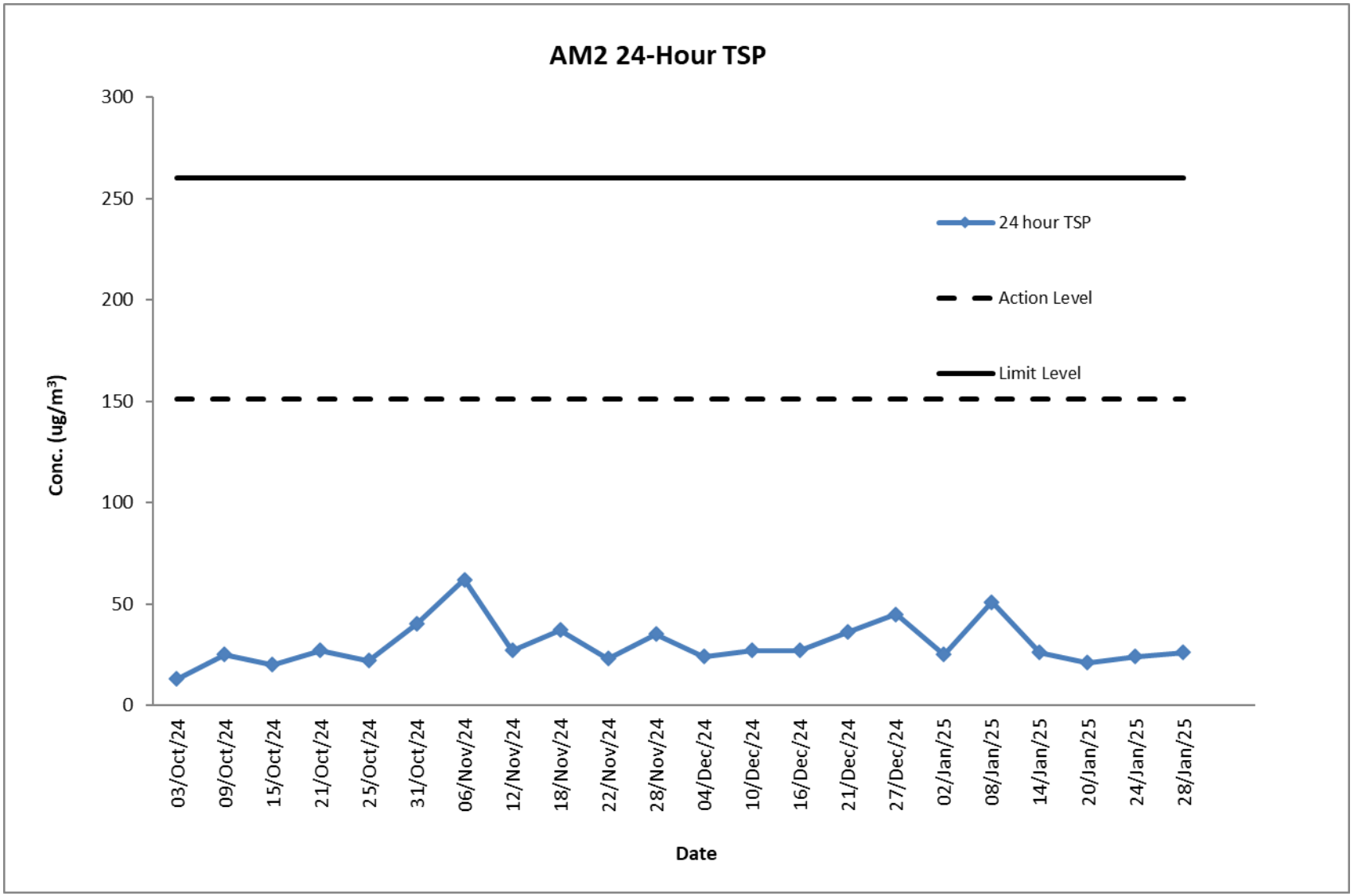
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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					
6-Nov-24	8:47	7-Nov-24	8:47	24	62	Fine	151.1	260
12-Nov-24	8:46	13-Nov-24	8:46	24	27	Sunny	151.1	260
18-Nov-24	8:45	19-Nov-24	8:45	24	37	Fine	151.1	260
22-Nov-24	8:50	23-Nov-24	8:50	24	23	Cloudy	151.1	260
28-Nov-24	8:46	29-Nov-24	8:46	24	35	Sunny	151.1	260
4-Dec-24	8:45	5-Dec-24	8:45	24	24	Fine	151.1	260
10-Dec-24	8:35	11-Dec-24	8:35	24	27	Cloudy	151.1	260
16-Dec-24	8:45	17-Dec-24	8:45	24	27	Cloudy	151.1	260
21-Dec-24	8:44	22-Dec-24	8:44	24	36	Sunny	151.1	260
27-Dec-24	8:45	28-Dec-24	8:45	24	45	Cloudy	151.1	260
2-Jan-25	8:45	3-Jan-25	8:45	24	25	Cloudy	151.1	260
8-Jan-25	8:47	9-Jan-25	8:47	24	51	Cloudy	151.1	260
14-Jan-25	8:46	15-Jan-25	8:46	24	26	Cloudy	151.1	260
20-Jan-25	8:44	21-Jan-25	8:44	24	21	Sunny	151.1	260
24-Jan-25	8:46	25-Jan-25	8:46	24	24	Sunny	151.1	260
28-Jan-25	8:36	29-Jan-25	8:36	24	26	Sunny	151.1	260

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



Noise Monitoring Result at Station NM1A

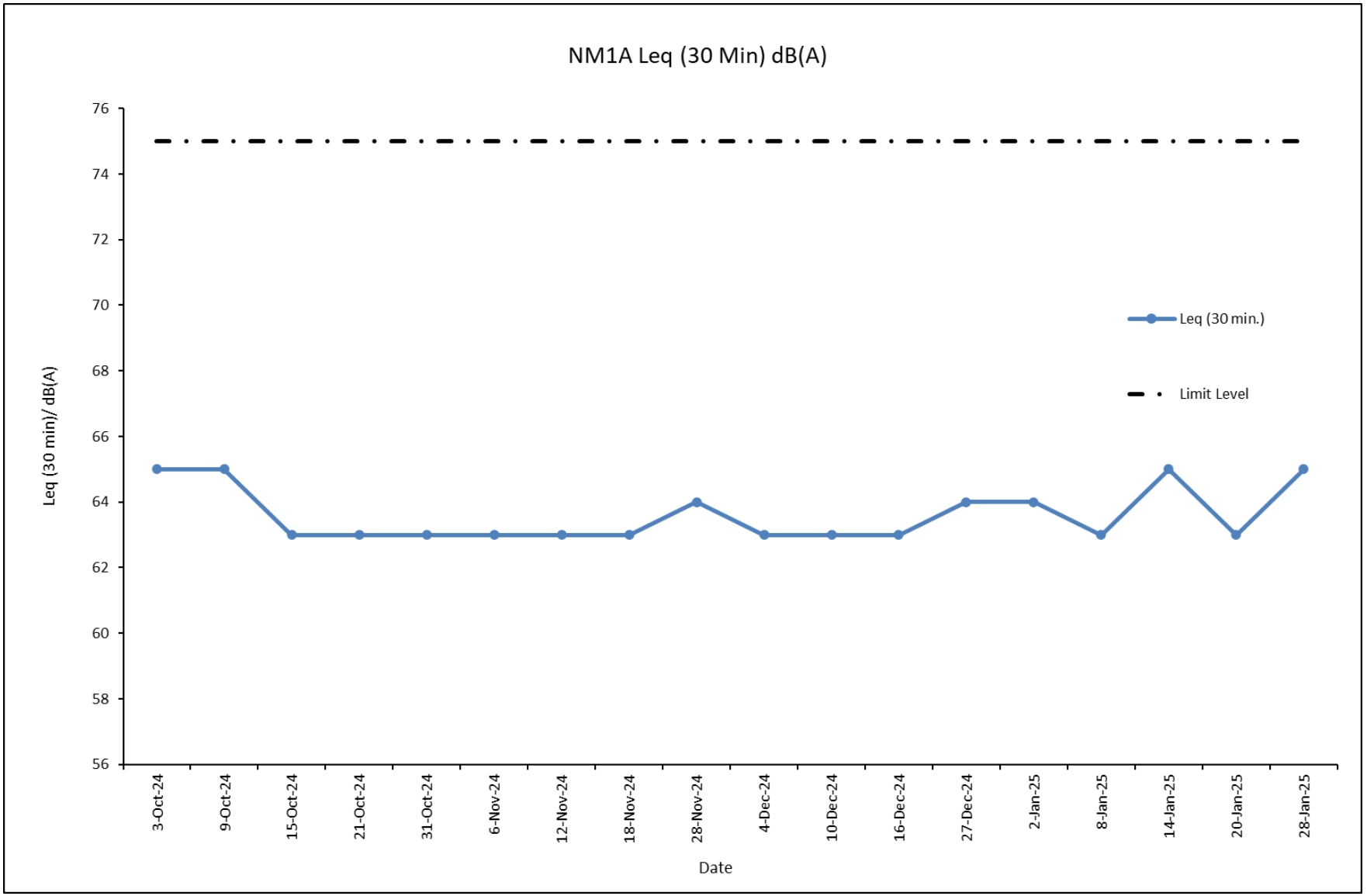
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
6-Nov-24	9:35	60.7	57.0	63
6-Nov-24	9:40	61.0	57.9	
6-Nov-24	9:45	62.2	58.3	
6-Nov-24	9:50	61.5	57.6	
6-Nov-24	9:55	62.8	58.6	
6-Nov-24	10:00	61.5	57.7	
12-Nov-24	9:34	61.2	57.3	63
12-Nov-24	9:39	62.7	58.0	
12-Nov-24	9:44	62.5	58.6	
12-Nov-24	9:49	60.8	56.9	
12-Nov-24	9:54	61.0	57.8	
12-Nov-24	9:59	62.6	58.2	
18-Nov-24	9:24	60.2	56.3	63
18-Nov-24	9:29	61.6	57.6	
18-Nov-24	9:34	61.4	57.0	
18-Nov-24	9:39	62.8	58.9	
18-Nov-24	9:44	62.0	58.7	
18-Nov-24	9:49	61.5	57.5	
28-Nov-24	9:33	64.4	60.3	64
28-Nov-24	9:38	63.2	59.6	
28-Nov-24	9:43	62.6	58.0	
28-Nov-24	9:48	62.9	58.7	
28-Nov-24	9:53	63.0	59.9	
28-Nov-24	9:58	62.7	58.2	
4-Dec-24	9:32	62.7	58.7	63
4-Dec-24	9:37	61.2	57.3	
4-Dec-24	9:42	60.5	56.0	
4-Dec-24	9:47	62.8	58.6	
4-Dec-24	9:52	61.0	57.9	
4-Dec-24	9:57	61.6	57.5	
10-Dec-24	9:22	60.5	56.3	63
10-Dec-24	9:27	61.2	57.6	
10-Dec-24	9:32	62.7	58.0	
10-Dec-24	9:37	61.9	57.8	
10-Dec-24	9:42	62.0	58.7	
10-Dec-24	9:47	62.4	58.9	
16-Dec-24	9:32	60.4	56.6	63
16-Dec-24	9:37	61.2	57.3	
16-Dec-24	9:42	62.9	58.0	
16-Dec-24	9:47	62.7	58.9	
16-Dec-24	9:52	61.0	57.7	
16-Dec-24	9:57	61.4	57.6	
27-Dec-24	9:33	64.7	60.6	64
27-Dec-24	9:38	63.5	59.7	
27-Dec-24	9:43	62.2	58.0	
27-Dec-24	9:48	62.8	58.3	
27-Dec-24	9:53	63.0	59.9	
27-Dec-24	9:58	64.6	60.5	

2-Jan-25	9:33	62.5	58.6	64
2-Jan-25	9:38	61.2	57.0	
2-Jan-25	9:43	61.7	57.3	
2-Jan-25	9:48	63.0	59.7	
2-Jan-25	9:53	62.8	58.9	
2-Jan-25	9:58	63.6	59.6	
8-Jan-25	9:34	61.5	57.6	63
8-Jan-25	9:39	62.7	58.3	
8-Jan-25	9:44	62.2	58.0	
8-Jan-25	9:49	63.8	59.9	
8-Jan-25	9:54	61.0	57.7	
8-Jan-25	9:59	62.6	58.5	
14-Jan-25	9:34	65.5	61.6	65
14-Jan-25	9:39	64.8	60.3	
14-Jan-25	9:44	63.2	59.0	
14-Jan-25	9:49	64.7	60.9	
14-Jan-25	9:54	62.0	58.7	
14-Jan-25	9:59	62.6	58.6	
20-Jan-25	9:32	60.5	56.6	63
20-Jan-25	9:37	61.2	57.3	
20-Jan-25	9:42	61.8	57.0	
20-Jan-25	9:47	62.7	58.9	
20-Jan-25	9:52	63.0	59.4	
20-Jan-25	9:57	62.9	58.1	
28-Jan-25	9:23	65.5	61.3	65
28-Jan-25	9:28	64.2	60.6	
28-Jan-25	9:33	63.7	59.0	
28-Jan-25	9:38	63.9	59.9	
28-Jan-25	9:43	62.0	58.7	
28-Jan-25	9:48	63.6	59.4	

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
Aug	1056.5	0.0	0.0	0.0	1056.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	354.2
Sep	286.0	0.0	0.0	0.0	286.0	0.0	0.0	8.9	0.5	0.0	0.0	0.0	383.6
Oct	433.3	0.0	0.0	0.0	433.3	0.0	0.0	93.1	0.0	0.0	0.0	0.0	520.4
Nov	599.0	0.0	0.0	0.0	599.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	708.8
Dec	291.0	0.0	0.0	0.0	291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	646.5
Sub-total (2024)	6576.1	0.0	0.0	0.0	6576.1	0.0	0.0	701.7	3.0	0.0	0.0	0.0	5277.5
2025													
Jan	312.8	0.0	0.0	0.0	307.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	714.3
Sub-total (2025)	312.8	0.0	0.0	0.0	307.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	714.3
Total	**1015611.2**	**0.0**	**0.0**	**543635.2**	**470970.3**	**1005.7**	**2301.1**	**11430.0**	**16.6**	**10.8**	**0.0**	**14.7**	**26685.9**

Note:

(1) 919.26, 277.82 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
(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 (Nov 24 – Jan 25)	1	0	0
From 1 March 2016 to end of the reporting quarter	62	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

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Contents

Executive summary

This Quarterly EM&A Report presents the monitoring works conducted at Zones 2A, 2B & 2C from 01 November 2024 to 31 January 2025. 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

1 environmental complaint was 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/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 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/B. This Quarterly EM&A Report presents the monitoring works Zones 2A, 2B & 2C from 01 November 2024 to 31 January 2025. 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 Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) undertaken include:

- Bored Pile, Pipe Piling and King Post 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 is presented in **Table 3.1**.

Table 3.1: Summary of Monitoring Data

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM3A	31	60	44
1 hour TSP	AM4A	31	60	44
1 hour TSP	AM5A	32	58	45
24 hour TSP	AM3A	30	52	40
24 hour TSP	AM4A	31	53	39
24 hour TSP	AM5A	32	53	40
Construction Noise				
Leq(30min)	NM2A	62	63	63
Leq(30min)	NM3A	60	61	61
Leq(30min)	NM4A	58	59	58
Leq(30min)	NM5A	63	64	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				
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 Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)

As advised by the Zones 2A, 2B & 2C Contractor, 6109.66 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 223.54 tonne of general refuse were disposed of at SENT landfill. 119.23 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. 0.00 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 9513.14 tonne of inert C&D material were reused in other projects. 18.42 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 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.

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

On 13 January 2025, the WKCD hotline received a complaint from Mr. So, who was calling from the security control room of The Harbourside. The complaint was regarding noise issues arising from construction activities and vehicles between the Xiqu Centre and M+ in the afternoon on 11 January 2025 (Saturday) with no specific time mentioned. After the investigation, the major construction activities for Zone 2A, 2B & 2C Sites were carried out between 7:00 a.m. and 19:00 p.m. which is compliant with the statutory requirement. Preventive and mitigation measures are well-deployed and maintained by the Contractor, including noise enclosure on concrete breaking work, noise enclosure for RCD as well as noise barrier hanging on top of hoarding. Prompt actions are taken after receiving a complaint notification, such as installing noise barrier shielding to isolate the drilling works from the public, and constructing noise enclosures around the motor parts of the plants. Regarding the regular noise monitoring results, the results were well below the action/limit levels. It was concluded that the concerned environmental impacts should might be due to the construction works, especially the drilling works for grout curtains adjacent to the Austin Road West, at Zones 2A, 2B & 2C Sites. On-site mitigation measures have already been implemented and maintained, and prompt actions have been taken. We will keep maintain good practice on site, and strengthen the implementation of mitigation measures to further reduce impacts on the nearby neighbors.

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

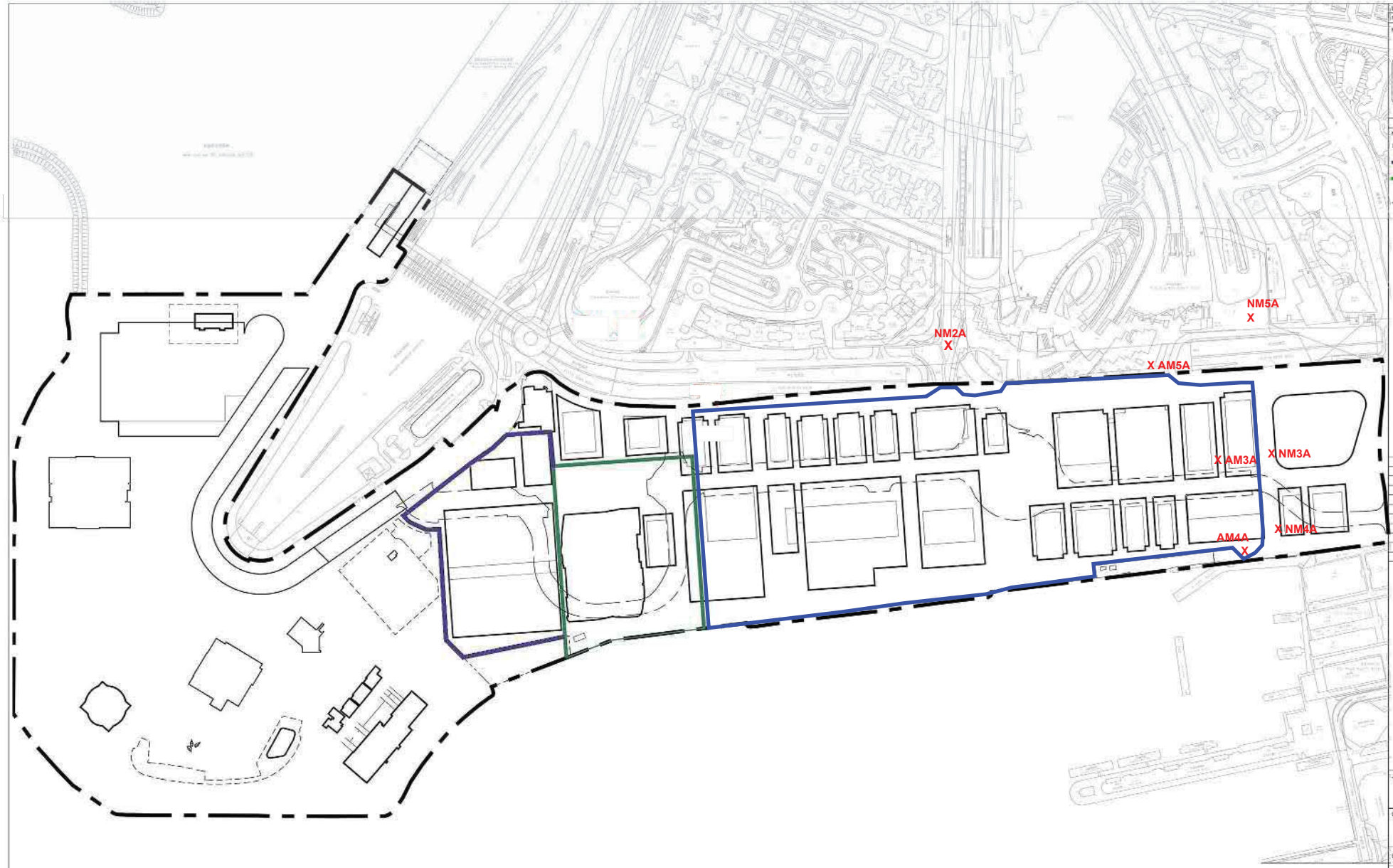
The EM&A programme as recommended in the EM&A Manual has been undertaken. The construction works and EM&A programme for Zone 2A (Contract No.: GW/2020/05/073) was commenced on 03 October 2020 and handed over on 31 March 2023; while the construction works and EM&A programme for Zone 2B & 2C (Contract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

One complaint was 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:

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:	16-05-2019

CONTRACT NO.: -

DRAWING NO.: **FIGURE 1**

REV.: XX

CAD REF NAME: XXXXX-AUT-PHS 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

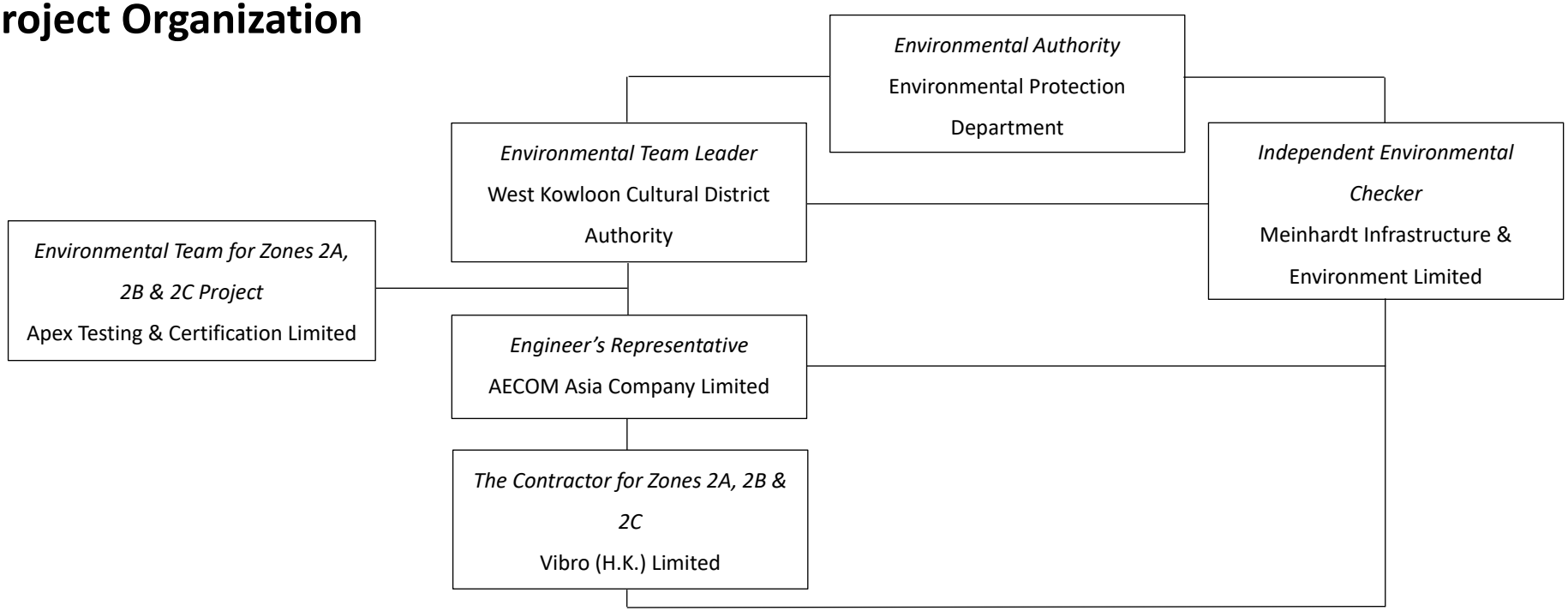


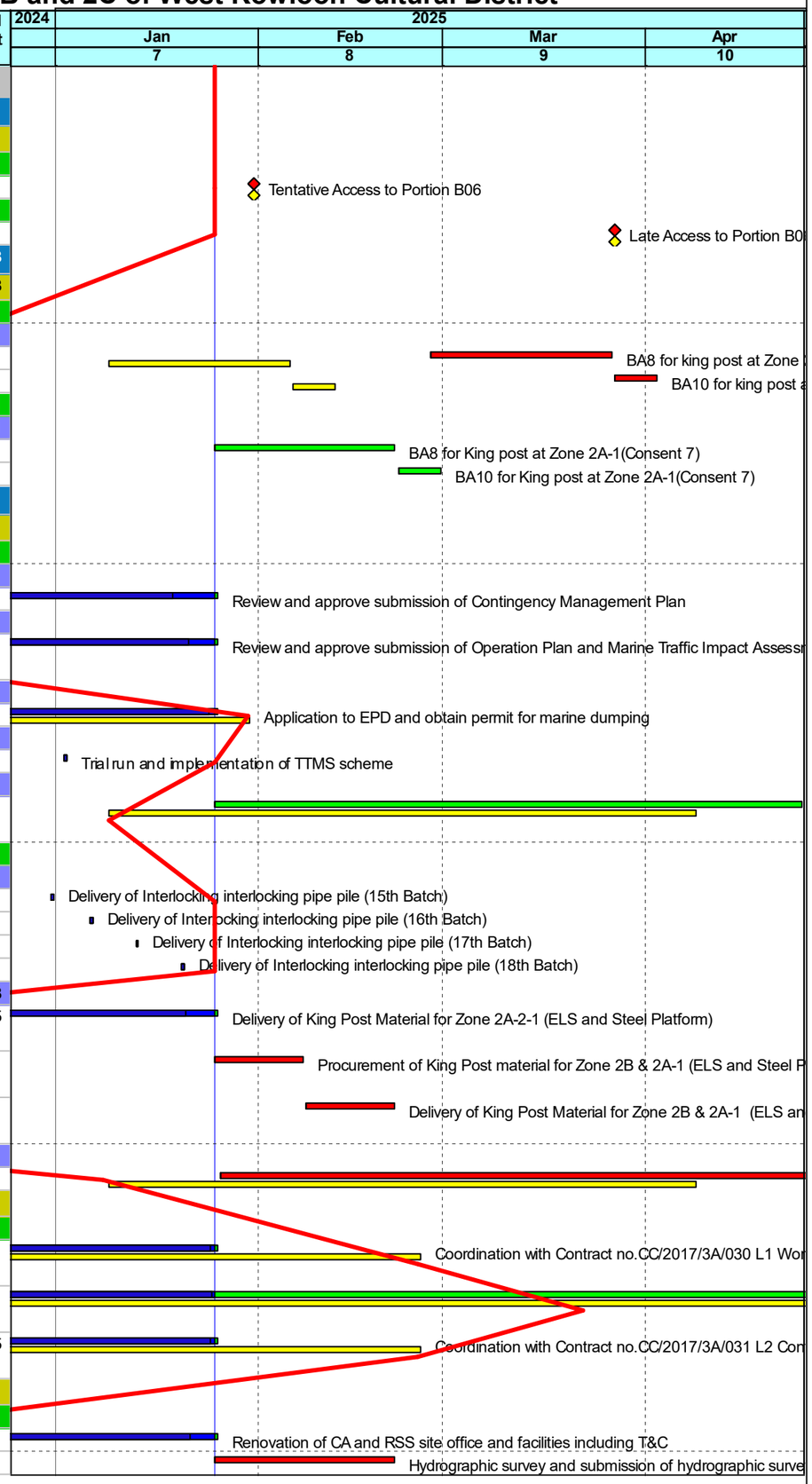
Table A-1: Contract Information

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	claudinelee@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
Apex Testing & Certification Limited	Contractor's Environmental Team Leader	Mr. Calvin LUI	9629 9718	calvinlui@apextestcert.com

B. Construction Programme

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

Activity ID	Activity Name	4th Draft Dur	4th Draft Start	4th Draft Finish	Dur	Forecast /Actual Start	Forecast /Actual Finish	% Complete	Total Float
ELS Works (Stages 1 & 2) for IBUR in Zones 2A, 2B and 2C of the West Kowloo		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		366
Contract Dates		55	31-Jan-25	27-Mar-25	55	31-Jan-25	27-Mar-25		0
Access Dates		55	31-Jan-25	27-Mar-25	55	31-Jan-25	27-Mar-25		0
Tentative Access Date		0	31-Jan-25	31-Jan-25	0	31-Jan-25	31-Jan-25		0
WKCDA-#AD-01020	Tentative Access to Portion B06	0	31-Jan-25		0	31-Jan-25*		0%	0
Late Access Date		0	27-Mar-25	27-Mar-25	0	27-Mar-25	27-Mar-25		0
WKCDA-#AD-02020	Late Access to Portion B06	0	27-Mar-25		0	27-Mar-25*		0%	0
BD Statutory Submissions		183	14-Aug-24	12-Feb-25	68	25-Jan-25	02-Apr-25		1008
Consent BA8 and BA10 Submissions		183	14-Aug-24	12-Feb-25	68	25-Jan-25	02-Apr-25		1008
Zone 2B		35	09-Jan-25	12-Feb-25	35	27-Feb-25	02-Apr-25		-49
BD Submission and Consent for King Post		35	09-Jan-25	12-Feb-25	35	27-Feb-25	02-Apr-25		-49
WKCDA-BD-STA-01160	BA8 for king post at Zone 2B(Consent 9)	28	09-Jan-25	05-Feb-25	28	27-Feb-25	26-Mar-25	0%	-49
WKCDA-BD-STA-01170	BA10 for king post at Zone 2B(Consent 9)	7	06-Feb-25	12-Feb-25	7	27-Mar-25	02-Apr-25	0%	-49
Zone 2A-1		35	14-Aug-24	17-Sep-24	35	25-Jan-25	28-Feb-25		1041
BD Submission and Consent for King Post		35	14-Aug-24	17-Sep-24	35	25-Jan-25	28-Feb-25		1041
WKCDA-BD-STA-01120	BA8 for King post at Zone 2A-1(Consent 7)	28	14-Aug-24	10-Sep-24	28	25-Jan-25	21-Feb-25	0%	1041
WKCDA-BD-STA-01130	BA10 for King post at Zone 2A-1(Consent 7)	7	11-Sep-24	17-Sep-24	7	22-Feb-25	28-Feb-25	0%	1041
Cost Centre A - Preliminaries, General Requirements		328	02-Aug-24	25-Jun-25	370	05-Jul-24 A	09-Jul-25		910
General Submission and Procurement		250	02-Aug-24	08-Apr-25	283	17-Jul-24 A	25-Apr-25		985
Submission and Approval		250	02-Aug-24	08-Apr-25	282	17-Jul-24 A	24-Apr-25		78
Contingency Management Plan		28	02-Aug-24	29-Aug-24	193	17-Jul-24 A	25-Jan-25		134
WKCDA-A-SUB-01140	Review and approve submission of Contingency Management Plan	28	02-Aug-24	29-Aug-24	193	17-Jul-24 A	25-Jan-25	96.43%	134
Operation Plan and Marine Traffic Impact Assessment (including marine traffic activity field survey)		28	02-Nov-24	29-Nov-24	123	25-Sep-24 A	25-Jan-25		10
WKCDA-A-SUB-01380	Review and approve submission of Operation Plan and Marine Traffic Impact Assessment by CA and Relevant Authorities	28	02-Nov-24	29-Nov-24	123	25-Sep-24 A	25-Jan-25	96.43%	10
Authority Department Submission		90	02-Nov-24	30-Jan-25	125	23-Sep-24 A	25-Jan-25		148
WKCDA-A-SUB-01440	Application to EPD and obtain permit for marine dumping	90	02-Nov-24	30-Jan-25	125	23-Sep-24 A	25-Jan-25	98.89%	148
TTMS scheme including for drainage diversion works		7	06-Dec-24	12-Dec-24	1	02-Jan-25 A	02-Jan-25 A		
WKCDA-A-SUB-01640	Trial run and implementation of TTMS scheme	7	06-Dec-24	12-Dec-24	1	02-Jan-25 A	02-Jan-25 A	100%	
Joint Written Guarantee for the water-tightness of ELS for Zones 2A-1 and 2A-2-1		90	09-Jan-25	08-Apr-25	90	25-Jan-25	24-Apr-25		78
WKCDA-A-SUB-01460	Prepare and submit Joint Written Guarantee for the water-tightness of ELS for Zones 2A-1 and 2A-2-1	90	09-Jan-25	08-Apr-25	90	25-Jan-25	24-Apr-25	0%	78
Procurement and Delivery of Materials		182	09-Oct-24	08-Apr-25	157	20-Nov-24 A	25-Apr-25		985
Interlocking Pipe Pile materials		0			21	31-Dec-24 A	20-Jan-25 A		
WKCDA-A-PRO-1250	Delivery of Interlocking interlocking pipe pile (15th Batch)	0			1	31-Dec-24 A	31-Dec-24 A	100%	
WKCDA-A-PRO-1260	Delivery of Interlocking interlocking pipe pile (16th Batch)	0			1	06-Jan-25 A	06-Jan-25 A	100%	
WKCDA-A-PRO-1270	Delivery of Interlocking interlocking pipe pile (17th Batch)	0			1	13-Jan-25 A	13-Jan-25 A	100%	
WKCDA-A-PRO-1280	Delivery of Interlocking interlocking pipe pile (18th Batch)	0			1	20-Jan-25 A	20-Jan-25 A	100%	
King Post Materials		28	09-Oct-24	05-Nov-24	94	20-Nov-24 A	21-Feb-25		1048
WKCDA-A-PRO-2020	Delivery of King Post Material for Zone 2A-2-1 (ELS and Steel Platform)	14	19-Oct-24	01-Nov-24	67	20-Nov-24 A	25-Jan-25	92.86%	1075
WKCDA-A-PRO-2080	Procurement of King Post material for Zone 2B & 2A-1 (ELS and Steel Platform)	14	09-Oct-24	22-Oct-24	14	25-Jan-25	07-Feb-25	0%	-9
WKCDA-A-PRO-2100	Delivery of King Post Material for Zone 2B & 2A-1 (ELS and Steel Platform)	14	23-Oct-24	05-Nov-24	14	08-Feb-25	21-Feb-25	0%	-9
Steel Platform Material		90	09-Jan-25	08-Apr-25	90	26-Jan-25	25-Apr-25		-10
WKCDA-A-PRO-2120	Procurement of Steel Platform material for Zone 2B & 2A-1	90	09-Jan-25	08-Apr-25	90	26-Jan-25	25-Apr-25	0%	-10
Coordination		300	30-Aug-24	25-Jun-25	300	05-Jul-24 A	30-Apr-25		980
Interface Contractors and Other Project Contractors		300	30-Aug-24	25-Jun-25	300	05-Jul-24 A	30-Apr-25		980
WKCDA-A-CIC-01040	Coordination with Contract no.CC/2017/3A/030 L1 Works of the Lyric Theatre Complex and Extended basement in Zone 3B	180	30-Aug-24	25-Feb-25	205	05-Jul-24 A	25-Jan-25	99.44%	135
WKCDA-A-CIC-01060	Coordination with MTRCL, other Project Contractors and Future PIW Works Contractor	300	30-Aug-24	25-Jun-25	300	05-Jul-24 A	30-Apr-25	68%	135
WKCDA-A-CIC-01050	Coordination with Contract no.CC/2017/3A/031 L2 Contract for Lyric Theatre Complex and Extended basement project	180	30-Aug-24	25-Feb-25	205	05-Jul-24 A	25-Jan-25	99.44%	1075
Construction		180	07-Sep-24	16-Apr-25	278	01-Aug-24 A	09-Jul-25		741
Preliminaries, Site Accommodation and Facilities		180	07-Sep-24	16-Apr-25	278	01-Aug-24 A	09-Jul-25		741
WKCDA-A-MOB-01100	Renovation of CA and RSS site office and facilities including T&C	42	13-Sep-24	04-Nov-24	147	01-Aug-24 A	25-Jan-25	97.62%	872
WKCDA-A-MOB-01080	Hydrographic survey and submission of hydrographic survey report	21	07-Sep-24	03-Oct-24	21	25-Jan-25	21-Feb-25	0%	-15



Milestone | Critical MS | Summary | 4th Draft Summary | Critical Bar | Planned Bar

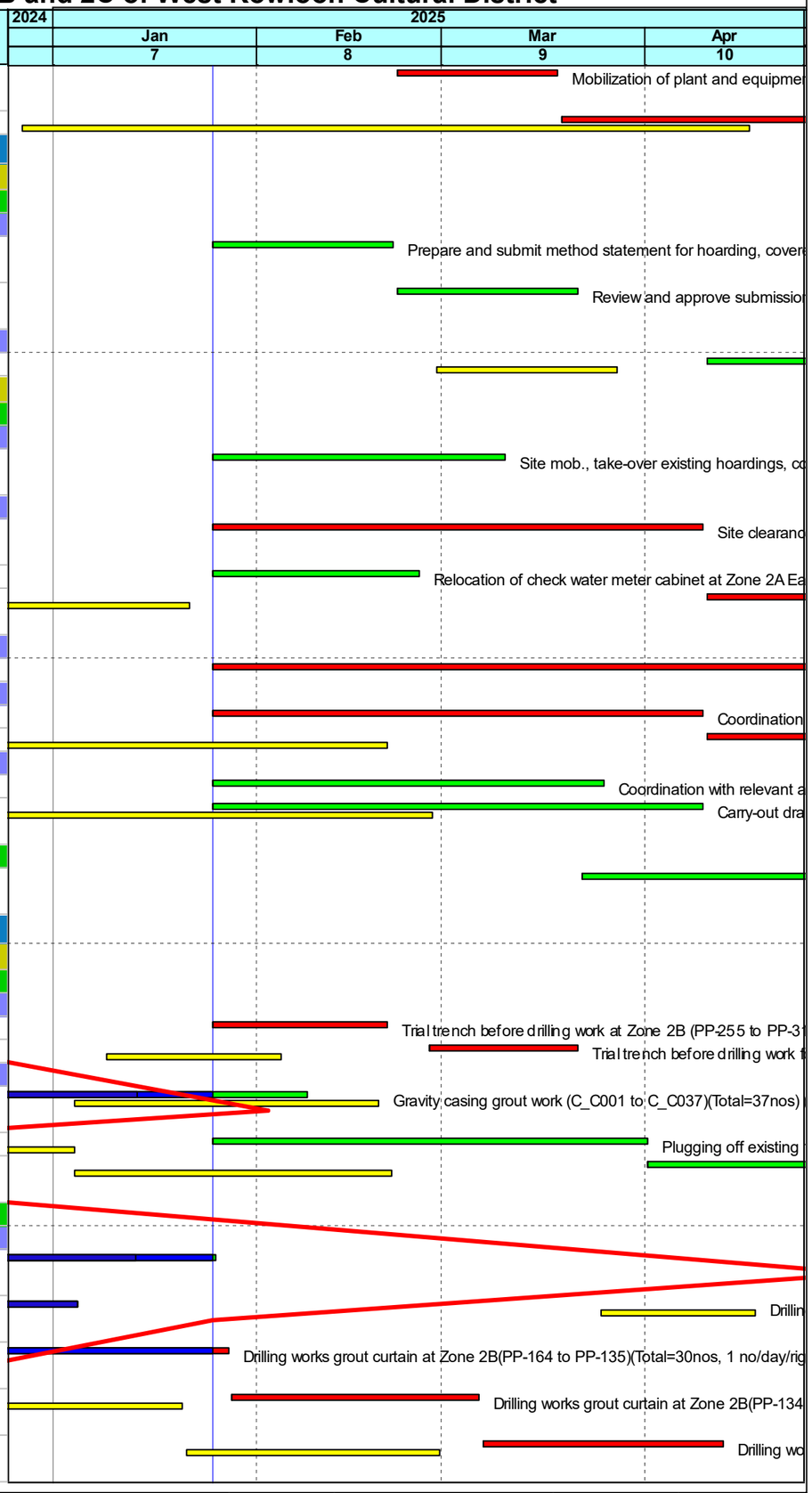
CC/2023/2B/095

Three Month Rolling Programme as of 25-Jan-25

Date	Revision	Checked	Approved
17-Dec-24	4th Draft	KL	

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

Activity ID	Activity Name	4th Draft Dur	4th Draft Start	4th Draft Finish	Dur	Forecast /Actual Start	Forecast /Actual Finish	% Complete	Total Float
WKCDA-A-MOB-01140	Mobilization of plant and equipment for construction of barging point and preparation works	21	30-Nov-24	24-Dec-24	21	22-Feb-25	18-Mar-25	0%	-15
WKCDA-A-MOB-01160	Construction of barging point, inspection and ready for operation	90	27-Dec-24	16-Apr-25	90	19-Mar-25	09-Jul-25	0%	-15
Cost Centre B & I - General, Hoarding and Monitoring Works		266	05-Jul-24	27-Mar-25	152	25-Jan-25	25-Jun-25		924
General Submission		266	05-Jul-24	27-Mar-25	103	25-Jan-25	07-May-25		204
Submission and Approval		266	05-Jul-24	27-Mar-25	103	25-Jan-25	07-May-25		204
Method statement for hoarding, covered walkway and gantries modification		56	05-Jul-24	29-Aug-24	56	25-Jan-25	21-Mar-25		108
WKCDA-B-SUB-01080	Prepare and submit method statement for hoarding, covered walkway and gantries modification	28	05-Jul-24	01-Aug-24	28	25-Jan-25	21-Feb-25	0%	108
WKCDA-B-SUB-01100	Review and approve submission of method statement for hoarding, covered walkway and gantries modification	28	02-Aug-24	29-Aug-24	28	22-Feb-25	21-Mar-25	0%	108
As-built record of drainage works to CA and DSD		28	28-Feb-25	27-Mar-25	28	10-Apr-25	07-May-25		204
WKCDA-B-SUB-01160	Prepare and submit as-built record of drainage works to CA and DSD	28	28-Feb-25	27-Mar-25	28	10-Apr-25	07-May-25	0%	204
Construction		238	05-Jul-24	27-Feb-25	152	25-Jan-25	25-Jun-25		924
General and Monitoring Works		238	05-Jul-24	27-Feb-25	152	25-Jan-25	25-Jun-25		924
General		35	05-Jul-24	14-Aug-24	35	25-Jan-25	10-Mar-25		838
WKCDA-B-MOB-01000	Site mob., take-over existing hoardings, covered walkway, gantries, gate & chainlink fence, prep. works & Site clearance	35	05-Jul-24	14-Aug-24	35	25-Jan-25	10-Mar-25	0%	838
Relocate water check meter cabinet		115	03-Sep-24	21-Jan-25	96	25-Jan-25	27-May-25		-4
WKCDA-B-MOB-01100	Site clearance, break up and removal of existing road pavement and light posts, signages	60	26-Sep-24	06-Dec-24	60	25-Jan-25	09-Apr-25	0%	-4
WKCDA-B-MOB-01240	Relocation of check water meter cabinet at Zone 2A East gantry	24	03-Sep-24	02-Oct-24	24	25-Jan-25	25-Feb-25	0%	32
WKCDA-B-MOB-01260	Demolition for existing road barrier, road sign and chainlink fence at Zone 2A East gantry	36	07-Dec-24	21-Jan-25	36	10-Apr-25	27-May-25	0%	-4
Monitoring Works with MTRC		75	25-Sep-24	23-Dec-24	75	25-Jan-25	30-Apr-25		-34
WKCDA-B-MOB-01200	Coordination with WSD and MTRC	75	25-Sep-24	23-Dec-24	75	25-Jan-25	30-Apr-25	0%	-34
Monitoring Works with HyD		120	25-Sep-24	20-Feb-25	120	25-Jan-25	25-Jun-25		-28
WKCDA-B-MOB-01160	Coordination with highways department(HyD)	60	25-Sep-24	05-Dec-24	60	25-Jan-25	09-Apr-25	0%	-28
WKCDA-B-MOB-01180	Relocation of existing light post at Zone 2A East gantry	60	06-Dec-24	20-Feb-25	60	10-Apr-25	25-Jun-25	0%	-28
Monitoring Works with drainage diversion		156	25-Sep-24	27-Feb-25	75	25-Jan-25	09-Apr-25		43
WKCDA-B-MOB-01120	Coordination with relevant authorities for drainage diversion	60	25-Sep-24	23-Nov-24	60	25-Jan-25	25-Mar-25	0%	41
WKCDA-B-MOB-01140	Carry-out drainage diversion works, T&C and backfilling works at Zone 2B Austin Road West	60	13-Dec-24	27-Feb-25	60	25-Jan-25	09-Apr-25	0%	32
Hoarding and Gantry		54	03-Sep-24	07-Nov-24	54	22-Mar-25	30-May-25		85
WKCDA-B-MOB-01300	Hoarding, covered walkway, gantries and waterbarriers modification including graphic and steel boards(Partial)	54	03-Sep-24	07-Nov-24	54	22-Mar-25	30-May-25	0%	85
Cost Centre C - Excavation and Lateral Support Works for Zone 2B (Stage 1)		306	05-Aug-24	14-Aug-25	218	26-Sep-24 A	24-Jun-25		754
Construction		306	05-Aug-24	14-Aug-25	218	26-Sep-24 A	24-Jun-25		754
Preliminaries, Trial Trench & Fabrication Works		163	05-Aug-24	21-Feb-25	117	23-Dec-24 A	22-May-25		54
Trial trench before drilling work		149	05-Aug-24	04-Feb-25	45	25-Jan-25	21-Mar-25		-32
WKCDA-C-CON-01190	Trial trench before drilling work at Zone 2B (PP-255 to PP-319)	20	05-Aug-24	27-Aug-24	20	25-Jan-25	20-Feb-25	0%	-54
WKCDA-C-CON-01470	Trial trench before drilling work for king post at Zone 2B	20	09-Jan-25	04-Feb-25	20	27-Feb-25	21-Mar-25	0%	-32
Gravity Casing Grout Works		91	31-Oct-24	21-Feb-25	117	23-Dec-24 A	22-May-25		54
WKCDA-C-CON-01200	Gravity casing grout work (C_C001 to C_C037)(Total=37nos) (Consent 6a)	36	04-Jan-25	19-Feb-25	36	23-Dec-24 A	08-Feb-25	46%	84
WKCDA-C-CON-01400	Plugging off existing 1350mm Drainage	53	31-Oct-24	04-Jan-25	53	25-Jan-25	01-Apr-25	0%	54
WKCDA-C-CON-01380	Gravity casing grout work (B_C001 to B_C038)(Total=38nos) (Consent 5)	38	04-Jan-25	21-Feb-25	38	01-Apr-25	22-May-25	0%	54
Pre-Grout Curtain Works		268	16-Aug-24	12-Jul-25	218	26-Sep-24 A	24-Jun-25		754
Drilling works grout curtain at Zone 2B at AURW Row (PP-164 to PP-001) (062/248)		164	08-Nov-24	02-Jun-25	182	26-Sep-24 A	12-May-25		790
WKCDA-C-CON-01040	Drilling works grout curtain at Zone 2B(PP-014 to PP-001)(Total=14nos, 1 no/day/rig, 1rig)(Consent 3)	14	16-May-25	02-Jun-25	100	26-Sep-24 A	25-Jan-25	90%	872
WKCDA-C-CON-01042	Drilling works grout curtain at Zone 2B(PP-053 to PP-034)(Total=20nos, 1 no/day/rig, 1rig)(Consent 3)	20	25-Mar-25	17-Apr-25	74	07-Oct-24 A	04-Jan-25 A	100%	
WKCDA-C-CON-01123	Drilling works grout curtain at Zone 2B(PP-164 to PP-135)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	08-Nov-24	12-Dec-24	30	20-Dec-24 A	27-Jan-25	3%	-36
WKCDA-C-CON-01121	Drilling works grout curtain at Zone 2B(PP-134 to PP-105)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	13-Dec-24	20-Jan-25	30	28-Jan-25	06-Mar-25	0%	-36
WKCDA-C-CON-01120	Drilling works grout curtain at Zone 2B(PP-104 to PP-074)(Total=31nos, 1 no/day/rig, 1rig)(Consent 3)	31	21-Jan-25	28-Feb-25	31	07-Mar-25	12-Apr-25	0%	-36



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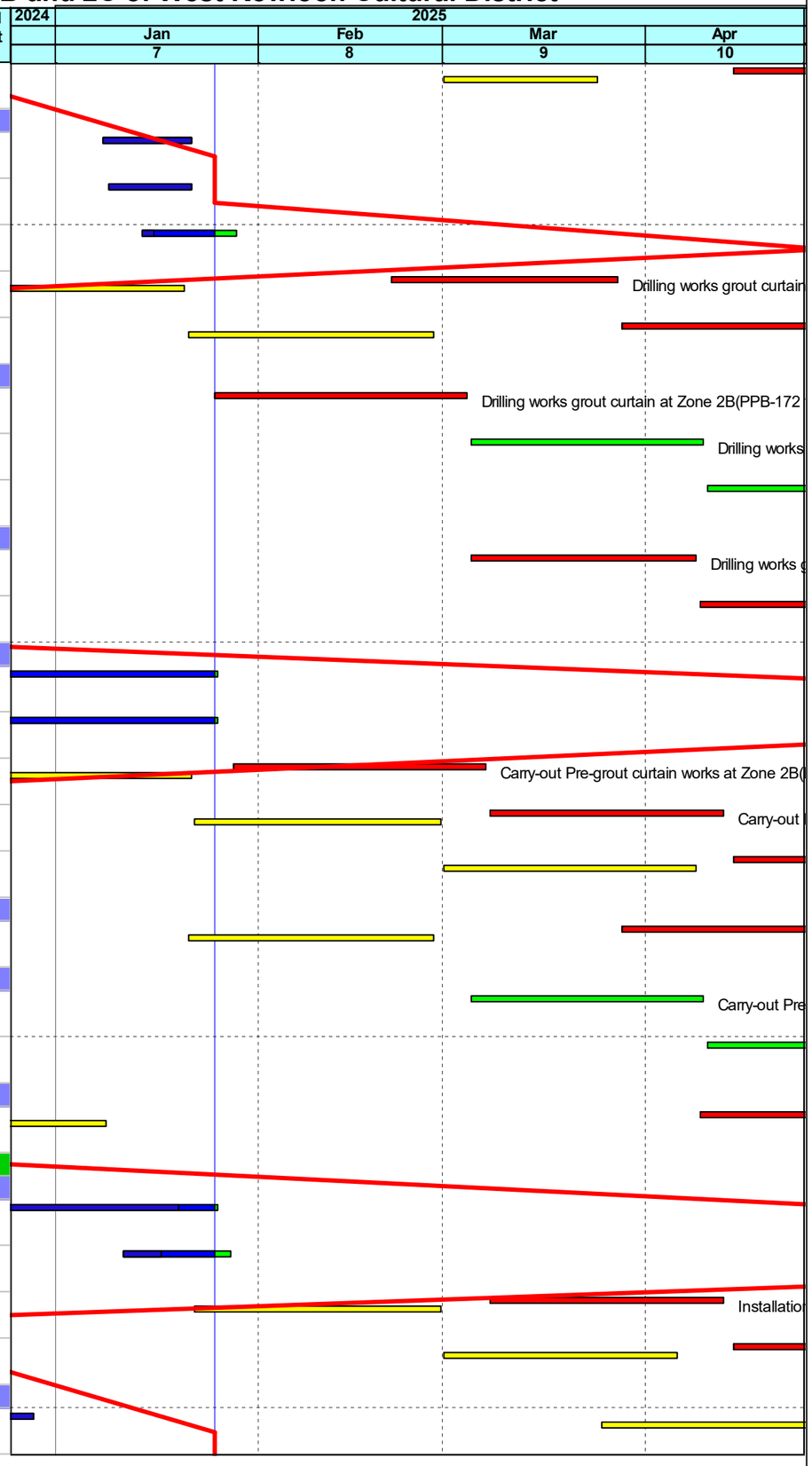
ELS Works (Stages 1 & 2) for Integrated Basement and Underground Road in Zones 2A, 2B and 2C of West Kowloon Cultural District

Activity ID	Activity Name	4th Draft Dur	4th Draft Start	4th Draft Finish	Dur	Forecast /Actual Start	Forecast /Actual Finish	% Complete	Total Float
WKCDA-C-CON-01043	Drilling works grout curtain at Zone 2B(PP-073 to PP-054)(Total=20nos, 1 no/day/rig, 1rig)(Consent 3)	20	01-Mar-25	24-Mar-25	20	14-Apr-25	12-May-25	0%	-2
Drilling works grout curtain at Zone 2B at AURW Row (PP-165 to PP-319) (031/237)		160	13-Dec-24	02-Jul-25	95	08-Jan-25 A	08-May-25		65
WKCDA-C-CON-10120	Drilling works grout curtain at Zone 2B(PP-307 to PP-319)(Total=13nos, 1 no/day/rig, 1rig)(Consent 6a)	13	18-Jun-25	02-Jul-25	12	08-Jan-25 A	21-Jan-25 A	100%	
WKCDA-C-CON-10110	Drilling works grout curtain at Zone 2B(PP-294 to PP-306)(Total=13nos, 1 no/day/rig, 1rig)(Consent 6a)	13	03-Jun-25	17-Jun-25	11	09-Jan-25 A	21-Jan-25 A	100%	
WKCDA-C-CON-10100	Drilling works grout curtain at Zone 2B(PP-281 to PP-293)(Total=13nos, 1 no/day/rig, 1rig)(Consent 6a)	13	13-May-25	27-May-25	13	14-Jan-25 A	28-Jan-25	12%	142
WKCDA-C-CON-01124	Drilling works grout curtain at Zone 2B(PP-165 to PP-194)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	13-Dec-24	20-Jan-25	30	21-Feb-25	27-Mar-25	0%	-54
WKCDA-C-CON-01122	Drilling works grout curtain at Zone 2B(PP-195 to PP-224)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	21-Jan-25	27-Feb-25	30	28-Mar-25	08-May-25	0%	-54
Drilling works grout curtain at Zone 2B at Middle Row (PPB-172 to PPB-342)		90	16-Aug-24	02-Dec-24	90	25-Jan-25	20-May-25		665
WKCDA-C-CON-01303	Drilling works grout curtain at Zone 2B(PPB-172 to PPB-201)(Total=30nos, 1no/day/rig, 1rig)(Consent 3)	30	16-Aug-24	20-Sep-24	30	25-Jan-25	04-Mar-25	0%	-59
WKCDA-C-CON-01304	Drilling works grout curtain at Zone 2B(PPB-202 to PPB-231)(Total=30nos, 1no/day/rig, 1rig)(Consent 3)	30	21-Sep-24	28-Oct-24	30	05-Mar-25	09-Apr-25	0%	665
WKCDA-C-CON-10020	Drilling works grout curtain at Zone 2B(PPB-232 to PPB-261)(Total=30nos, 1no/day/rig, 1rig)(Consent 3)	30	29-Oct-24	02-Dec-24	30	10-Apr-25	20-May-25	0%	665
Drilling works grout curtain at Zone 2B at Middle Row (PPB-171 to PPB-001)		58	21-Sep-24	29-Nov-24	58	05-Mar-25	17-May-25		-56
WKCDA-C-CON-01302	Drilling works grout curtain at Zone 2B(PPB-171 to PPB-143)(Total=29nos, 1no/day/rig, 1rig)(Consent 3)	29	21-Sep-24	26-Oct-24	29	05-Mar-25	08-Apr-25	0%	-59
WKCDA-C-CON-01301	Drilling works grout curtain at Zone 2B(PPB-142 to PPB-114)(Total=29nos, 1no/day/rig, 1rig)(Consent 3)	29	28-Oct-24	29-Nov-24	29	09-Apr-25	17-May-25	0%	-56
Pre-grout curtain works at Zone 2B at AURW Row (PP-164 to PP-001) (029/248)		169	13-Dec-24	12-Jul-25	166	31-Oct-24 A	26-May-25		778
WKCDA-C-CON-01060	Carry-out Pre-grout curtain works at Zone 2B(P_A017 to P_A001 even) (P_B009 to P_B001)	17	24-Jun-25	12-Jul-25	72	31-Oct-24 A	25-Jan-25	41%	872
WKCDA-C-CON-01061	Carry-out Pre-grout curtain works at Zone 2B(P_A035 to P_A018 even) (P_B018 to P_B010)	18	03-Jun-25	23-Jun-25	72	31-Oct-24 A	25-Jan-25	63%	872
WKCDA-C-CON-01142	Carry-out Pre-grout curtain works at Zone 2B(P_A167 to P_A138 even) (P_B085 to P_B071)	31	13-Dec-24	21-Jan-25	31	28-Jan-25	07-Mar-25	0%	-36
WKCDA-C-CON-01141	Carry-out Pre-grout curtain works at Zone 2B(P_A137 to P_A108 even) (P_B070 to P_B056)	30	22-Jan-25	28-Feb-25	30	08-Mar-25	12-Apr-25	0%	-36
WKCDA-C-CON-01140	Carry-out Pre-grout curtain works at Zone 2B(P_A107 to P_A076 even) (P_B055 to P_B040)	32	01-Mar-25	08-Apr-25	32	14-Apr-25	26-May-25	0%	-36
Pre-grout curtain works at Zone 2B at AURW Row (PP-165 to PP-319) (000/248)		30	21-Jan-25	27-Feb-25	30	28-Mar-25	08-May-25		-54
WKCDA-C-CON-01143	Carry-out Pre-grout curtain works at Zone 2B(P_A168 to P_A197 even) (P_B086 to P_B100)Consent 3)	30	21-Jan-25	27-Feb-25	30	28-Mar-25	08-May-25	0%	-54
Pre-grout curtain works at Zone 2B at Middle Row (PPB-172 to PPB-342)		59	21-Sep-24	30-Nov-24	59	05-Mar-25	19-May-25		668
WKCDA-C-CON-01323	Carry-out Pre-grout curtain works at Zone 2B(B_A163 to B_A192 ODD) (B_B084 to B_B098)(Consent 3)	30	21-Sep-24	28-Oct-24	30	05-Mar-25	09-Apr-25	0%	668
WKCDA-C-CON-01324	Carry-out Pre-grout curtain works at Zone 2B(B_A193 to B_A220 ODD) (B_B099 to B_B113)(Consent 3)	29	29-Oct-24	30-Nov-24	29	10-Apr-25	19-May-25	0%	668
Pre-grout curtain works at Zone 2B at Middle Row (PPB-171 to PPB-001)		60	28-Oct-24	08-Jan-25	60	09-Apr-25	24-Jun-25		-59
WKCDA-C-CON-01321	Carry-out Pre-grout curtain works at Zone 2B(B_A162 to B_A103 ODD) (B_B083 to B_B054)(Consent 3)	60	28-Oct-24	08-Jan-25	60	09-Apr-25	24-Jun-25	0%	-59
Interlocking Pipe Pile Wall Works		177	09-Jan-25	14-Aug-25	146	21-Nov-24 A	23-May-25		88
Interlocking Pipe Pile Wall Works at AURW Row (PP-164 to PP-001) (22/164)		166	22-Jan-25	14-Aug-25	122	19-Dec-24 A	23-May-25		88
WKCDA-C-CON-01085	Installation of interlocking pipe pile wall at Zone 2B(PP-033 to PP-015)(Total=19nos, 1 no/day/rig, 1rig)(Consent 3)	19	08-Jul-25	29-Jul-25	30	19-Dec-24 A	25-Jan-25	84%	161
WKCDA-C-CON-01080	Installation of interlocking pipe pile wall at Zone 2B(PP-014 to PP-001)(Total=14nos, 1 no/day/rig, 1rig)(Consent 3)	14	30-Jul-25	14-Aug-25	14	11-Jan-25 A	27-Jan-25	36%	179
WKCDA-C-CON-01166	Installation of interlocking pipe pile wall at Zone 2B(PP-164 to PP-135)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	22-Jan-25	28-Feb-25	30	08-Mar-25	12-Apr-25	0%	-36
WKCDA-C-CON-01164	Installation of interlocking pipe pile wall at Zone 2B(PP-134 to PP-105)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	01-Mar-25	05-Apr-25	30	14-Apr-25	23-May-25	0%	-35
Interlocking Pipe Pile Wall Works at Middle Row (PPB-172 to PPB-342) (171/171)		51	25-Mar-25	29-May-25	51	21-Nov-24 A	22-Jan-25 A		
WKCDA-C-CON-01359	Installation of interlocking pipe pile wall at Zone 2B(PPB-292 to PPB-321)(Total=30nos, 1 no/day/rig, 1rig)(Consent 3)	30	25-Mar-25	03-May-25	31	21-Nov-24 A	28-Dec-24 A	100%	



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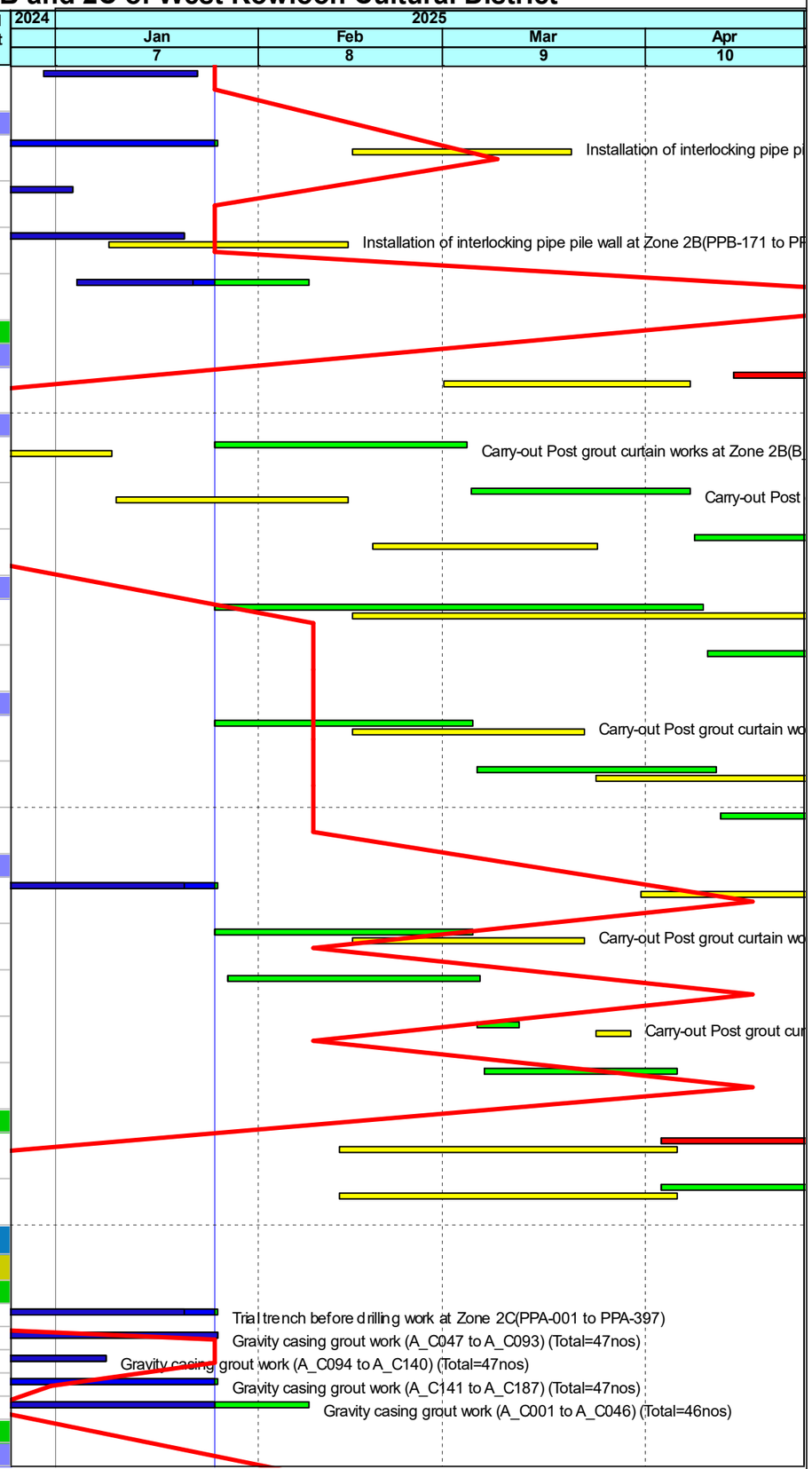
WKCDA-C-CON-10000	Installation of interlocking pipe pile wall at Zone 2B(PPB-322 to PPB-342)(Total=21nos, 1 no/day/rig, 1rig)(Consent 3)	21	06-May-25	29-May-25	20	30-Dec-24 A	22-Jan-25 A	100%	
Interlocking Pipe Pile Wall Works at Middle Row (PPB-171 to PPB-001) (113/171)		143	09-Jan-25	05-Jul-25	63	21-Nov-24 A	08-Feb-25		154
WKCDA-C-CON-01345	Installation of interlocking pipe pile wall at Zone 2B(PPB-142 to PPB-114)(Total=29nos, 1 no/day/rig, 1rig)(Consent 3)	29	15-Feb-25	20-Mar-25	54	21-Nov-24 A	25-Jan-25	38%	163
WKCDA-C-CON-01440	Installation of interlocking pipe pile wall at Zone 2B(PPB-084 to PPB-057)(Total=28nos, 1 no/day/rig, 1rig)(Consent 5)	28	29-Apr-25	03-Jun-25	22	06-Dec-24 A	03-Jan-25 A	100%	
WKCDA-C-CON-01340	Installation of interlocking pipe pile wall at Zone 2B(PPB-171 to PPB-143)(Total=29nos, 1 no/day/rig, 1rig)(Consent 3)	29	09-Jan-25	14-Feb-25	26	18-Dec-24 A	20-Jan-25 A	100%	
WKCDA-C-CON-01445	Installation of interlocking pipe pile wall at Zone 2B(PPB-056 to PPB-029)(Total=28nos, 1 no/day/rig, 1rig)(Consent 5)	28	04-Jun-25	05-Jul-25	28	04-Jan-25 A	08-Feb-25	50%	154
Post Grout Curtain Works		182	03-Dec-24	17-Jul-25	125	17-Dec-24 A	24-May-25		116
Post Grout Curtain Works AURW Row (PP-164 to PP-001)		31	01-Mar-25	07-Apr-25	31	14-Apr-25	24-May-25		-36
WKCDA-C-CON-01167	Carry-out Post grout curtain works at Zone 2B(P_A167 to P_A138)(Consent 3)	31	01-Mar-25	07-Apr-25	31	14-Apr-25	24-May-25	0%	-36
Post Grout Curtain Works Middle Row (PPB-172 to PPB-342)		90	03-Dec-24	24-Mar-25	88	25-Jan-25	17-May-25		36
WKCDA-C-CON-01351	Carry-out Post grout curtain works at Zone 2B(B_A163 to B_A192)(Consent 3)	30	03-Dec-24	09-Jan-25	30	25-Jan-25	04-Mar-25	0%	36
WKCDA-C-CON-01353	Carry-out Post grout curtain works at Zone 2B(B_A193 to B_A220)(Consent 3)	28	10-Jan-25	14-Feb-25	28	05-Mar-25	07-Apr-25	0%	36
WKCDA-C-CON-01355	Carry-out Post grout curtain works at Zone 2B(B_A221 to B_A250)(Consent 3)	30	18-Feb-25	24-Mar-25	30	08-Apr-25	17-May-25	0%	36
Post Grout Curtain Works Middle Row (PPB-171 to PPB-001)		81	15-Feb-25	27-May-25	81	25-Jan-25	09-May-25		48
WKCDA-C-CON-01341	Carry-out Post grout curtain works at Zone 2B(B_A162 to B_A103)(Consent 3)	60	15-Feb-25	30-Apr-25	60	25-Jan-25	09-Apr-25	0%	48
WKCDA-C-CON-01346	Carry-out Post grout curtain works at Zone 2B(B_A102 to B_A082)(Consent 3)	21	02-May-25	27-May-25	21	10-Apr-25	09-May-25	0%	48
Post Grout Curtain Works between Zone 3 and Zone 2B		93	15-Feb-25	11-Jun-25	93	25-Jan-25	23-May-25		117
WKCDA-C-CON-01070	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A063 to G_A093)	31	15-Feb-25	22-Mar-25	31	25-Jan-25	05-Mar-25	0%	117
WKCDA-C-CON-01050	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A032 to G_A062)	31	24-Mar-25	03-May-25	31	06-Mar-25	11-Apr-25	0%	117
WKCDA-C-CON-01010	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A001 to G_A031)	31	06-May-25	11-Jun-25	31	12-Apr-25	23-May-25	0%	117
Post Grout Curtain Works between Zone 3 and Zone 2C		124	15-Feb-25	17-Jul-25	88	17-Dec-24 A	05-Apr-25		153
WKCDA-C-CON-01150	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A132 to G_A162)	31	31-Mar-25	12-May-25	32	17-Dec-24 A	25-Jan-25	87%	153
WKCDA-C-CON-01130	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A094 to G_A124)	31	15-Feb-25	22-Mar-25	31	25-Jan-25	05-Mar-25	0%	173
WKCDA-C-CON-01170	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A163 to G_A193)	31	13-May-25	18-Jun-25	31	27-Jan-25	06-Mar-25	0%	153
WKCDA-C-CON-01135	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A125 to G_A131)	6	24-Mar-25	29-Mar-25	6	06-Mar-25	12-Mar-25	0%	173
WKCDA-C-CON-01210	Carry-out Post grout curtain works between Zone 3 and Zone 2B (G_A194 to G_A217)	25	19-Jun-25	17-Jul-25	25	07-Mar-25	05-Apr-25	0%	153
King Post Works		44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25		75
WKCDA-C-CON-01480	Installation of king post at Zone 2B(Total=44nos, 3days/pile/rig, 3rigs) for ELS	44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25	0%	-42
WKCDA-C-CON-01490	Installation of king post at Zone 2B(Total=44nos, 3days/pile/rig, 3rigs) for ELS	44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25	0%	75
Cost Centre D - Excavation and Lateral Support Works for Zone 2C (Stage 1)		221	26-Sep-24	27-Jun-25	195	15-Oct-24 A	13-Jun-25		763
Construction		221	26-Sep-24	27-Jun-25	195	15-Oct-24 A	13-Jun-25		763
Preliminaries, Trial Trench & Fabrication Works		75	26-Sep-24	24-Dec-24	95	15-Oct-24 A	08-Feb-25		863
WKCDA-D-CON-01010	Trial trench before drilling work at Zone 2C(PPA-001 to PPA-397)	20	26-Sep-24	21-Oct-24	86	15-Oct-24 A	25-Jan-25	95%	872
WKCDA-D-CON-01070	Gravity casing grout work (A_C047 to A_C093) (Total=47nos)	47	31-Oct-24	24-Dec-24	57	18-Nov-24 A	25-Jan-25 A	100%	
WKCDA-D-CON-01090	Gravity casing grout work (A_C094 to A_C140) (Total=47nos)	47	31-Oct-24	24-Dec-24	40	20-Nov-24 A	08-Jan-25 A	100%	
WKCDA-D-CON-01100	Gravity casing grout work (A_C141 to A_C187) (Total=47nos)	47	31-Oct-24	24-Dec-24	48	28-Nov-24 A	25-Jan-25	28%	872
WKCDA-D-CON-01020	Gravity casing grout work (A_C001 to A_C046) (Total=46nos)	46	31-Oct-24	23-Dec-24	46	11-Dec-24 A	08-Feb-25	76%	863
Pre-Grout Curtain Works		193	31-Oct-24	27-Jun-25	161	23-Nov-24 A	13-Jun-25		763
Drilling works grout curtain at Zone 2C (227/599)		190	31-Oct-24	24-Jun-25	161	23-Nov-24 A	13-Jun-25		763



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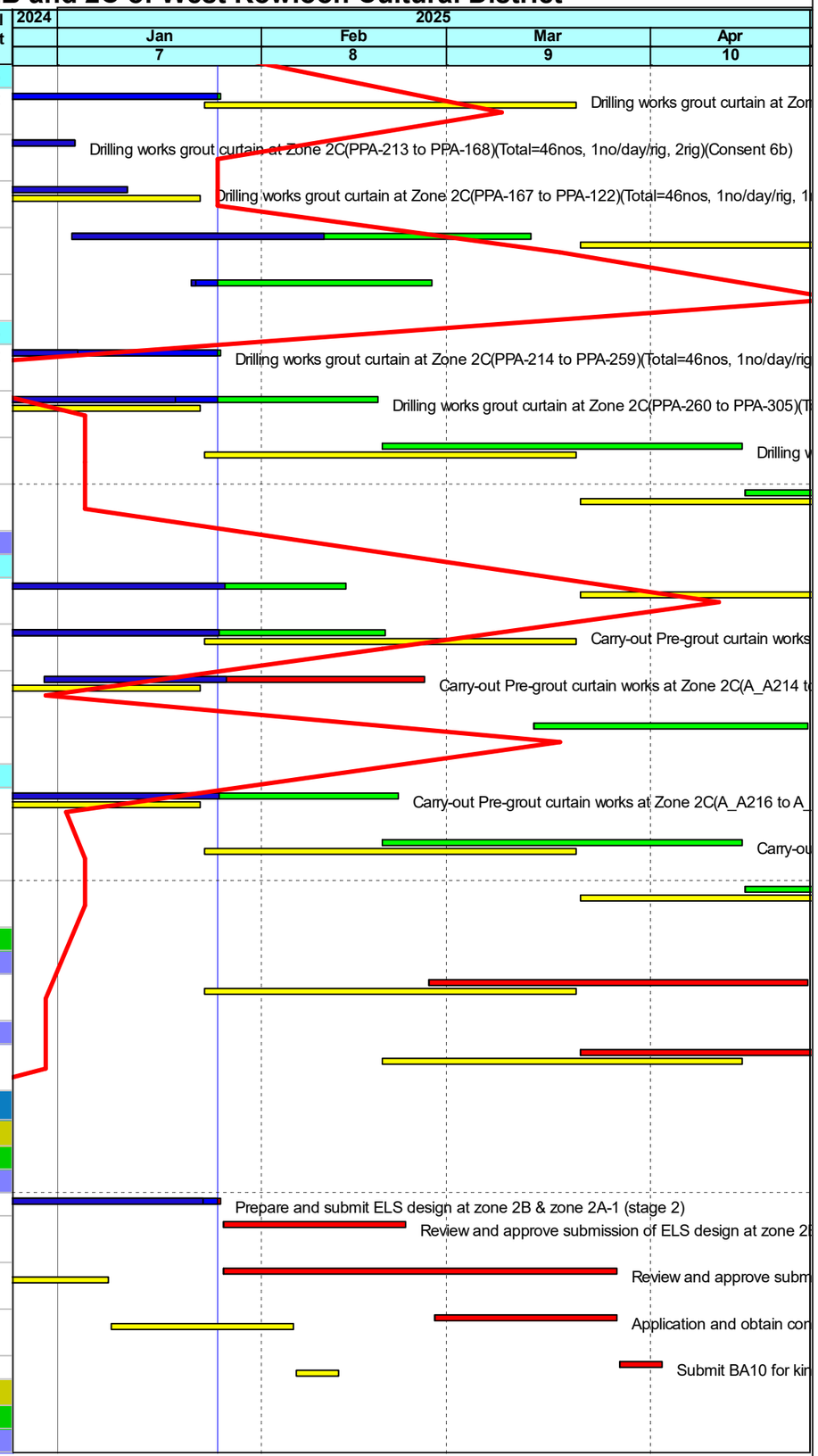
Drilling works grout curtain at Zone 2C Part 1		190	31-Oct-24	24-Jun-25	89	23-Nov-24 A	13-Mar-25		835
WKCDA-D-CON-01042	Drilling works grout curtain at Zone 2C(PPA-121 to PPA-076)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	23-Jan-25	20-Mar-25	52	23-Nov-24 A	25-Jan-25	35%	872
WKCDA-D-CON-01044	Drilling works grout curtain at Zone 2C(PPA-213 to PPA-168)(Total=46nos, 1no/day/rig, 2rig)(Consent 6b)	23	31-Oct-24	26-Nov-24	33	23-Nov-24 A	03-Jan-25 A	100%	
WKCDA-D-CON-01043	Drilling works grout curtain at Zone 2C(PPA-167 to PPA-122)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	27-Nov-24	22-Jan-25	35	29-Nov-24 A	11-Jan-25 A	100%	
WKCDA-D-CON-01041	Drilling works grout curtain at Zone 2C(PPA-075 to PPA-030)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	21-Mar-25	20-May-25	57	03-Jan-25 A	13-Mar-25	55%	66
WKCDA-D-CON-01040	Drilling works grout curtain at Zone 2C(PPA-029 to PPA-001)(Total=29nos, 1no/day/rig, 1rig)(Consent 6b)	29	21-May-25	24-Jun-25	29	21-Jan-25 A	26-Feb-25	2%	111
Drilling works grout curtain at Zone 2C Part 2		161	31-Oct-24	20-May-25	152	04-Dec-24 A	13-Jun-25		763
WKCDA-D-CON-01045	Drilling works grout curtain at Zone 2C(PPA-214 to PPA-259)(Total=46nos, 1no/day/rig, 2rig)(Consent 6b)	23	31-Oct-24	26-Nov-24	43	04-Dec-24 A	25-Jan-25	59%	872
WKCDA-D-CON-01046	Drilling works grout curtain at Zone 2C(PPA-260 to PPA-305)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	27-Nov-24	22-Jan-25	46	20-Dec-24 A	18-Feb-25	49%	9
WKCDA-D-CON-01047	Drilling works grout curtain at Zone 2C(PPA-306 to PPA-351)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	23-Jan-25	20-Mar-25	46	19-Feb-25	14-Apr-25	0%	9
WKCDA-D-CON-01048	Drilling works grout curtain at Zone 2C(PPA-352 to PPA-397)(Total=46nos, 1no/day/rig, 1rig)(Consent 6b)	46	21-Mar-25	20-May-25	46	15-Apr-25	13-Jun-25	0%	9
Pre-grout curtain works at Zone 2C (71/599)		170	27-Nov-24	27-Jun-25	142	16-Dec-24 A	13-Jun-25		26
Pre-grout curtain works at Zone 2C Part 1		170	27-Nov-24	27-Jun-25	102	16-Dec-24 A	24-Apr-25		66
WKCDA-D-CON-01062	Carry-out Pre-grout curtain works at Zone 2C(A_A122 to A_A077) (A_B040 to A_B062)(Consent 6b)	46	21-Mar-25	20-May-25	46	16-Dec-24 A	13-Feb-25	69.57%	76
WKCDA-D-CON-01063	Carry-out Pre-grout curtain works at Zone 2C(A_A168 to A_A123) (A_B063 to A_B085)(Consent 6b)	46	23-Jan-25	20-Mar-25	46	21-Dec-24 A	19-Feb-25	58.7%	25
WKCDA-D-CON-01064	Carry-out Pre-grout curtain works at Zone 2C(A_A214 to A_A169) (A_B086 to A_B108)(Consent 6b)	46	27-Nov-24	22-Jan-25	46	30-Dec-24 A	25-Feb-25	47.83%	-26
WKCDA-D-CON-01060	Carry-out Pre-grout curtain works at Zone 2C(A_A076 to A_A031) (A_B017 to A_B039)(Consent 6b)	32	21-May-25	27-Jun-25	32	14-Mar-25	24-Apr-25	0%	66
Pre-grout curtain works at Zone 2C Part 2		138	27-Nov-24	20-May-25	135	24-Dec-24 A	13-Jun-25		9
WKCDA-D-CON-01065	Carry-out Pre-grout curtain works at Zone 2C(A_A216 to A_A260) (A_B109 to A_B131)(Consent 6b)	46	27-Nov-24	22-Jan-25	46	24-Dec-24 A	21-Feb-25	54.35%	6
WKCDA-D-CON-01066	Carry-out Pre-grout curtain works at Zone 2C(A_A262 to A_A306) (A_B132 to A_B154)(Consent 6b)	46	23-Jan-25	20-Mar-25	46	19-Feb-25	14-Apr-25	0%	9
WKCDA-D-CON-01067	Carry-out Pre-grout curtain works at Zone 2C(A_A308 to A_A350) (A_B155 to A_B179)(Consent 6b)	46	21-Mar-25	20-May-25	46	15-Apr-25	13-Jun-25	0%	9
Interlocking Pipe Pile Wall Works (000/397)		66	23-Jan-25	14-Apr-25	66	26-Feb-25	20-May-25		-17
Interlocking Pipe Pile Wall Works Part 1		46	23-Jan-25	20-Mar-25	46	26-Feb-25	24-Apr-25		-26
WKCDA-D-CON-01180	Installation of interlocking pipe pile wall at Zone 2C(PPA-213 to PPA-168)(Total=46nos, 1 no/day/rig, 1rig)(Consent 6b)	46	23-Jan-25	20-Mar-25	46	26-Feb-25	24-Apr-25	0%	-26
Interlocking Pipe Pile Wall Works Part 2		46	19-Feb-25	14-Apr-25	46	21-Mar-25	20-May-25		-17
WKCDA-D-CON-01220	Installation of interlocking pipe pile wall at Zone 2C(PPA-214 to PPA-259)(Total=46nos, 1 no/day/rig, 1rig)(Consent 6b)	46	19-Feb-25	14-Apr-25	46	21-Mar-25	20-May-25	0%	-17
Cost Centre E - Excavation and Lateral Support Works for Zone 2B (Stage 2)		235	14-Aug-24	05-Apr-25	281	23-Aug-24 A	30-May-25		-55
Submissions and Approval		183	14-Aug-24	12-Feb-25	223	23-Aug-24 A	02-Apr-25		-49
Design Submission and Statutory Submission		183	14-Aug-24	12-Feb-25	223	23-Aug-24 A	02-Apr-25		-49
ELS design at zone 2B & zone 2A-1 (stage 2)		183	14-Aug-24	12-Feb-25	223	23-Aug-24 A	02-Apr-25		-49
WKCDA-C-SUB-01200	Prepare and submit ELS design at zone 2B & zone 2A-1 (stage 2)	60	14-Aug-24	12-Oct-24	156	23-Aug-24 A	25-Jan-25	98.33%	-60
WKCDA-C-SUB-01220	Review and approve submission of ELS design at zone 2B & zone 2A-1 (stage 2)	28	13-Oct-24	09-Nov-24	28	26-Jan-25	22-Feb-25	0%	-49
WKCDA-C-SUB-01240	Review and approve submission of ELS design at zone 2B & zone 2A-1 (stage 2) by BD	60	10-Nov-24	08-Jan-25	60	26-Jan-25	26-Mar-25	0%	-49
WKCDA-C-SUB-01400	Application and obtain consent(BA8) for king post at Zone 2B(Consent 9)	28	09-Jan-25	05-Feb-25	28	27-Feb-25	26-Mar-25	0%	-49
WKCDA-C-SUB-01420	Submit BA10 for king post at Zone 2B	7	06-Feb-25	12-Feb-25	7	27-Mar-25	02-Apr-25	0%	-49
Construction		44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25		-42
Excavation, Temporary Shoring and Struts		44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25		-42
Temporary Shoring		44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25		-42



◇ Milestone ◇ Critical MS ▽ Summary — 4th Draft Summary — Critical Bar — Planned Bar

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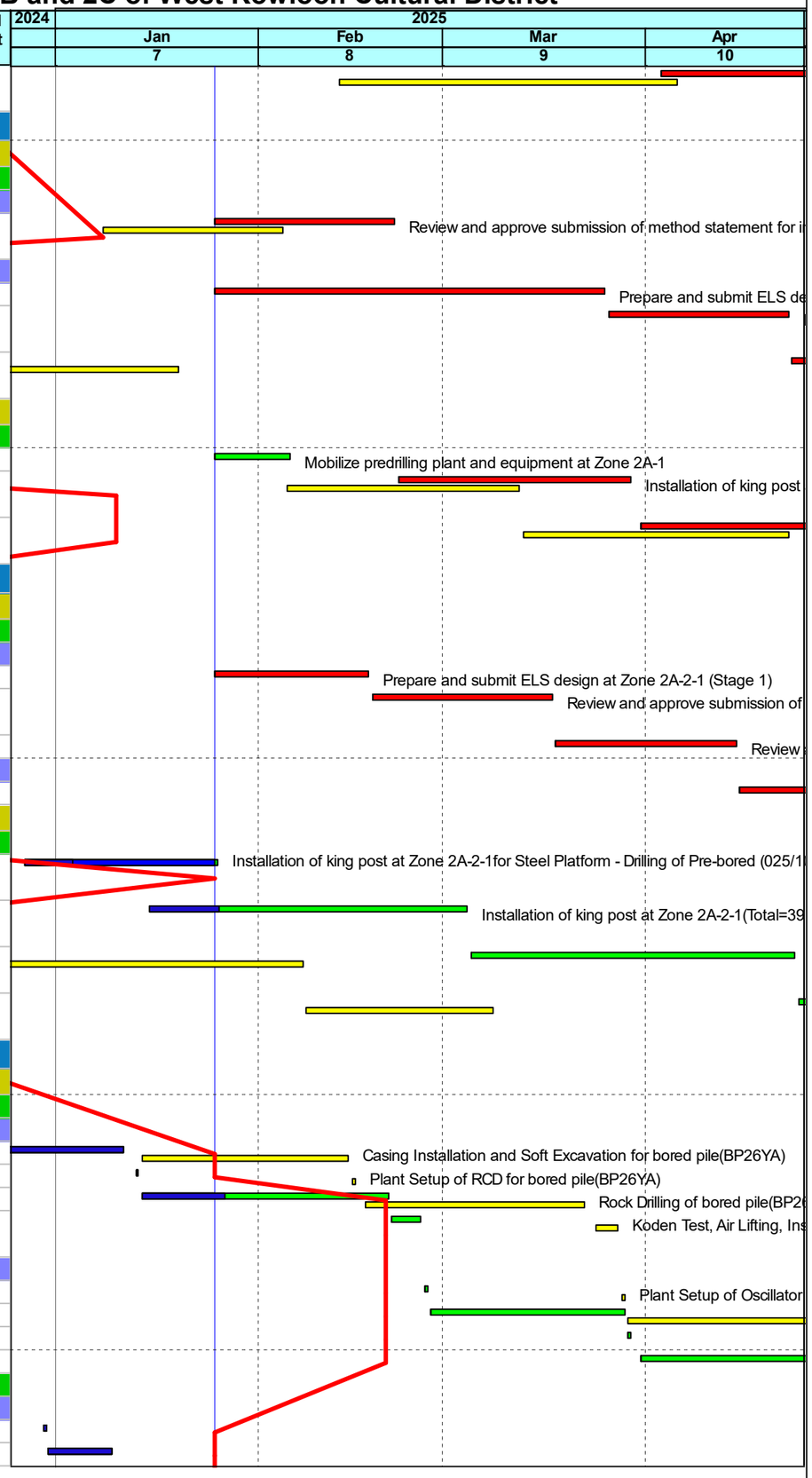
Date	Revision	Checked	Approved
17-Dec-24	4th Draft	KL	

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

Activity ID	Activity Name	4th Draft Dur	4th Draft Start	4th Draft Finish	Dur	Forecast /Actual Start	Forecast /Actual Finish	% Complete	Total Float
WKCDA-E-CON-01020	Installation of king post at Zone 2B(Total=88nos, 3days/pile/rig, 6rigs) for Steel Platform Part 1	44	13-Feb-25	05-Apr-25	44	03-Apr-25	30-May-25	0%	-42
Cost Centre F - Excavation and Lateral Support Works for Zone 2A-1 (Stage 2)		252	14-Aug-24	22-Apr-25	148	25-Jan-25	21-Jun-25		928
Submissions and Approval		175	14-Aug-24	04-Feb-25	148	25-Jan-25	21-Jun-25		-60
Design Submission and Statutory Submission		175	14-Aug-24	04-Feb-25	148	25-Jan-25	21-Jun-25		-60
Method statement for installation of king post at Zone 2A-1 (Stage 1)		28	08-Jan-25	04-Feb-25	28	25-Jan-25	21-Feb-25		-17
WKCDA-F-SUB-01020	Review and approve submission of method statement for installation of king post at Zone 2A-1 (Stage 1)	28	08-Jan-25	04-Feb-25	28	25-Jan-25	21-Feb-25	0%	-17
ELS design at Zone 2A-1 (Stage 2)		159	14-Aug-24	19-Jan-25	148	25-Jan-25	21-Jun-25		-60
WKCDA-F-SUB-01040	Prepare and submit ELS design at Zone 2A-1 (Stage 2)	60	14-Aug-24	12-Oct-24	60	25-Jan-25	25-Mar-25	0%	-60
WKCDA-F-SUB-01060	Review and approve submission of ELS design at zone 2B & zone 2A-1 (stage 2)	28	24-Oct-24	20-Nov-24	28	26-Mar-25	22-Apr-25	0%	-60
WKCDA-F-SUB-01080	Review and approve submission of ELS design at zone 2B & zone 2A-1 (stage 2) by BD	60	21-Nov-24	19-Jan-25	60	23-Apr-25	21-Jun-25	0%	-60
Construction		162	03-Oct-24	22-Apr-25	83	25-Jan-25	12-May-25		790
King Post		162	03-Oct-24	22-Apr-25	83	25-Jan-25	12-May-25		790
WKCDA-F-CON-00990	Mobilize predrilling plant and equipment at Zone 2A-1	7	03-Oct-24	10-Oct-24	7	25-Jan-25	05-Feb-25	0%	866
WKCDA-F-CON-01010	Installation of king post at Zone 2A-1(Total=31nos, 3days/pile/rig, 3rigs) For ELS	31	05-Feb-25	12-Mar-25	31	22-Feb-25	29-Mar-25	0%	-15
WKCDA-F-CON-01015	Installation of king post at Zone 2A-1(Total=31nos, 3days/pile/rig, 3rigs) For ELS	31	13-Mar-25	22-Apr-25	31	31-Mar-25	12-May-25	0%	-15
Cost Centre G - Excavation and Lateral Support Works for Zone 2A-2-1 (Stage 2)		207	14-Aug-24	08-Mar-25	149	27-Dec-24 A	24-May-25		14
Submissions and Approval		129	14-Aug-24	20-Dec-24	108	25-Jan-25	12-May-25		-24
Design Submission and Statutory Submission		129	14-Aug-24	20-Dec-24	108	25-Jan-25	12-May-25		-24
ELS design at Zone 2A-2-1 (Stage 1)		80	14-Aug-24	01-Nov-24	80	25-Jan-25	14-Apr-25		-24
WKCDA-G-SUB-01000	Prepare and submit ELS design at Zone 2A-2-1 (Stage 1)	24	14-Aug-24	06-Sep-24	24	25-Jan-25	17-Feb-25	0%	-24
WKCDA-G-SUB-01020	Review and approve submission of ELS design at Zone 2A-2-1 (Stage 1)	28	07-Sep-24	04-Oct-24	28	18-Feb-25	17-Mar-25	0%	-24
WKCDA-G-SUB-01060	Review and approve of ELS design at Zone 2A-2-1 (Stage 1) by BD	28	05-Oct-24	01-Nov-24	28	18-Mar-25	14-Apr-25	0%	-24
ELS design at Zone 2A-2-1 (Stage 2)		28	23-Nov-24	20-Dec-24	28	15-Apr-25	12-May-25		-24
WKCDA-G-SUB-02000	Prepare and submit ELS design at Zone 2A-2-1 (Stage 2)	28	23-Nov-24	20-Dec-24	28	15-Apr-25	12-May-25	0%	-24
Construction		103	02-Nov-24	08-Mar-25	118	27-Dec-24 A	24-May-25		11
King Post (17/100)		103	02-Nov-24	08-Mar-25	118	27-Dec-24 A	24-May-25		11
WKCDA-G-CON-01021	Installation of king post at Zone 2A-2-1for Steel Platform - Drilling of Pre-bored (025/100)	0			25	27-Dec-24 A	25-Jan-25	25%	79
WKCDA-G-CON-01000	Installation of king post at Zone 2A-2-1(Total=39nos, 3days/pile/rig, 3rigs) for ELS (022/100)	39	02-Nov-24	17-Dec-24	39	15-Jan-25 A	04-Mar-25	22%	11
WKCDA-G-CON-01010	Installation of king post at Zone 2A-2-1(Total=39nos, 3days/pile/rig, 3rigs) for ELS	39	18-Dec-24	07-Feb-25	39	05-Mar-25	23-Apr-25	0%	11
WKCDA-G-CON-01020	Installation of king post at Zone 2A-2-1(Total=50nos, 3days/pile/rig, 6rigs) for Steel Platform	25	08-Feb-25	08-Mar-25	25	24-Apr-25	24-May-25	0%	11
Cost Centre H - Bored Pile Foundation for Zone 2A-2-2		380	14-Jan-25	28-Apr-26	142	02-Dec-24 A	29-May-25		324
Construction		380	14-Jan-25	28-Apr-26	142	02-Dec-24 A	29-May-25		324
Bored Pile Foundation 2A-2-1		118	14-Jan-25	11-Jun-25	126	02-Dec-24 A	10-May-25		105
Bored Pile Works BP26YA		60	14-Jan-25	27-Mar-25	68	02-Dec-24 A	25-Feb-25		105
WKCDA-H-CON-01080	Casing Installation and Soft Excavation for bored pile(BP26YA)	25	14-Jan-25	14-Feb-25	32	02-Dec-24 A	11-Jan-25 A	100%	
WKCDA-H-CON-01100	Plant Setup of RCD for bored pile(BP26YA)	1	15-Feb-25	15-Feb-25	1	13-Jan-25 A	13-Jan-25 A	100%	
WKCDA-H-CON-01120	Rock Drilling of bored pile(BP26YA)	30	17-Feb-25	22-Mar-25	30	14-Jan-25 A	20-Feb-25	33.33%	105
WKCDA-H-CON-01140	Koden Test, Air Lifting, Installation of Rebar Cage and Concreting(BP26YA)(Including Testing)	4	24-Mar-25	27-Mar-25	4	21-Feb-25	25-Feb-25	0%	105
Bored Pile Works BP27X		58	28-Mar-25	11-Jun-25	58	26-Feb-25	10-May-25		105
WKCDA-H-CON-01160	Plant Setup of Oscillator for bored pile(BP27X)	1	28-Mar-25	28-Mar-25	1	26-Feb-25	26-Feb-25	0%	105
WKCDA-H-CON-01180	Casing Installation and Soft Excavation for bored pile(BP27X)	26	29-Mar-25	03-May-25	26	27-Feb-25	28-Mar-25	0%	105
WKCDA-H-CON-01200	Plant Setup of RCD for bored pile(BP27X)	1	06-May-25	06-May-25	1	29-Mar-25	29-Mar-25	0%	105
WKCDA-H-CON-01220	Rock Drilling of bored pile(BP27X)	30	07-May-25	11-Jun-25	30	31-Mar-25	10-May-25	0%	105
Bored Pile Foundation 2A-2-2		155	17-Oct-25	28-Apr-26	120	30-Dec-24 A	29-May-25		324
Bored Pile Works BP28YA		60	17-Oct-25	29-Dec-25	25	30-Dec-24 A	28-Jan-25		324
WKCDA-H-CON-01460	Plant Setup of Oscillator for bored pile(BP28YA)	1	17-Oct-25	17-Oct-25	1	30-Dec-24 A	30-Dec-24 A	100%	
WKCDA-H-CON-01480	Casing Installation and Soft Excavation for bored pile(BP28YA)	24	18-Oct-25	15-Nov-25	8	31-Dec-24 A	09-Jan-25 A	100%	



◇ Milestone — 4th Draft Summary
◆ Critical MS — Critical Bar
▽ Summary — Planned Bar

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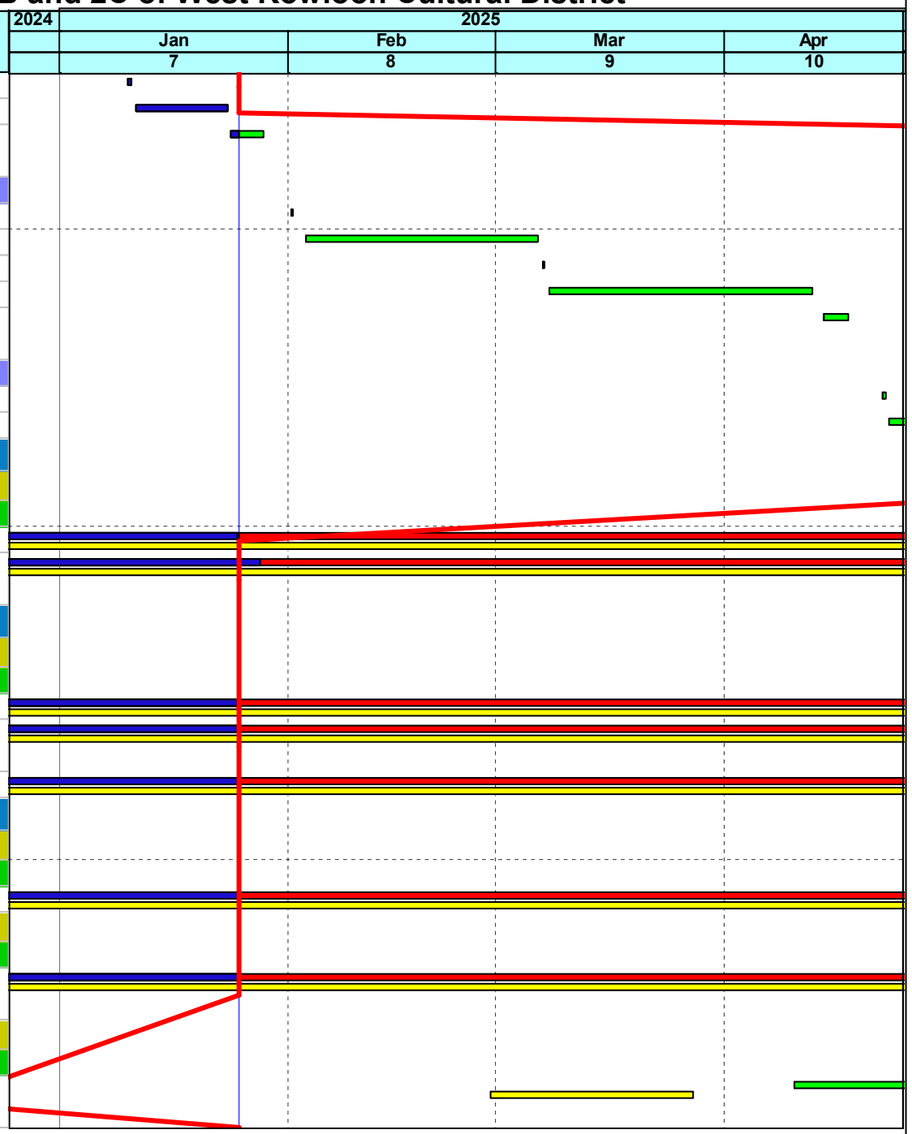
ELS Works (Stages 1 & 2) for Integrated Basement and Underground Road in Zones 2A, 2B and 2C of West Kowloon Cultural District

Activity ID	Activity Name	4th Draft Dur	4th Draft Start	4th Draft Finish	Dur	Forecast /Actual Start	Forecast /Actual Finish	% Complete	Total Float
WKCDA-H-CON-01500	Plant Setup of RCD for bored pile(BP28YA)	1	17-Nov-25	17-Nov-25	1	10-Jan-25 A	10-Jan-25 A	100%	
WKCDA-H-CON-01520	Rock Drilling of bored pile(BP28YA)	30	18-Nov-25	22-Dec-25	11	11-Jan-25 A	23-Jan-25 A	100%	
WKCDA-H-CON-01540	Koden Test, Air Lifting, Installation of Rebar Cage and Concreting(BP28YA)(Including Testing)	4	23-Dec-25	29-Dec-25	4	24-Jan-25 A	28-Jan-25	25%	324
Bored Pile Works BP29YA		64	30-Dec-25	18-Mar-26	64	01-Feb-25	17-Apr-25		324
WKCDA-H-CON-01560	Plant Setup of Oscillator for bored pile(BP29YA)	1	30-Dec-25	30-Dec-25	1	01-Feb-25	01-Feb-25	0%	324
WKCDA-H-CON-01580	Casing Installation and Soft Excavation for bored pile(BP29YA)	28	31-Dec-25	02-Feb-26	28	03-Feb-25	06-Mar-25	0%	324
WKCDA-H-CON-01600	Plant Setup of RCD for bored pile(BP29YA)	1	03-Feb-26	03-Feb-26	1	07-Mar-25	07-Mar-25	0%	324
WKCDA-H-CON-01620	Rock Drilling of bored pile(BP29YA)	30	04-Feb-26	13-Mar-26	30	08-Mar-25	12-Apr-25	0%	324
WKCDA-H-CON-01640	Koden Test, Air Lifting, Installation of Rebar Cage and Concreting(BP29YA)(Including Testing)	4	14-Mar-26	18-Mar-26	4	14-Apr-25	17-Apr-25	0%	324
Bored Pile Works BP30Y		31	19-Mar-26	28-Apr-26	31	22-Apr-25	29-May-25		324
WKCDA-H-CON-01660	Plant Setup of Oscillator for bored pile(BP30Y)	1	19-Mar-26	19-Mar-26	1	22-Apr-25	22-Apr-25	0%	324
WKCDA-H-CON-01680	Casing Installation and Soft Excavation for bored pile(BP30Y)	30	20-Mar-26	28-Apr-26	30	23-Apr-25	29-May-25	0%	324
Cost Centre J & M - Site Safety and Smart Site Safety System		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
General Submission		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
Submission and Approval and Implementation		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
WKCDA-JM-SUB-01000	Submit and update Construction Health and Safety Plan	914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27	22.3%	0
WKCDA-JM-SUB-01100	Implementation and update of SSSS(including communication network,centralized management platform,etc.)	879	09-Aug-24	04-Jan-27	893	26-Jul-24 A	04-Jan-27	20.82%	0
Cost Centre K - Environmental Management		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
General Submission		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
Submission and Approval and Implementation		914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27		0
WKCDA-K-SUB-01000	Submit and update Environmental Management Plan	914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27	22.32%	0
WKCDA-K-SUB-01020	Conduct environmental monitoring & audit and submit EM&A report to EPD	914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27	22.32%	0
WKCDA-K-SUB-01040	Implementation of the EM&A programme	914	05-Jul-24	04-Jan-27	914	05-Jul-24 A	04-Jan-27	22.32%	0
Cost Centre P, Q, R & S- Optional Works		882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26		0
Item No.1 - Maintenance and Demoltiion of NSO		882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26		0
Site Maintenance and Demolition of NSO		882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26		0
WKCDA-P-#OW-01000	Take-over and maintenance of NSO	882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26	23.13%	0
Item No.2 - Adoption of G/F as CA's and RSS's Site Office & Maintenance of 1/F and Demolition of NS		882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26		0
Site Maintenance and Demolition of NSO		882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26		0
WKCDA-Q-#OW-01000	Take-over adoption of G/F NSO as CA and RSS's site office and maintenance of 1/F NSO	882	05-Jul-24	03-Dec-26	882	05-Jul-24 A	03-Dec-26	23.13%	0
Item No.4 - Road Reinstatement Works at Austin Road West		28	28-Feb-25	27-Mar-25	28	10-Apr-25	07-May-25		447
Road Reinstatement Works		28	28-Feb-25	27-Mar-25	28	10-Apr-25	07-May-25		447
WKCDA-S-#OW-01000	Prepare and submit TTMS scheme for road reinstatement works at Austin Road West	28	28-Feb-25	27-Mar-25	28	10-Apr-25	07-May-25	0%	447



Milestone | Critical MS | Summary | 4th Draft Summary | Critical Bar | Planned Bar

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C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
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. *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	✓ ✓	✓ ✓	✓ ✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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
	• 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
	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.			

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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
	• 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			
	Emission Limits	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			

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	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	✓	Obs
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 2A, 2B & 2C		
EM&A Ref.	Recommendation Measures	November 2024	December 2024	January 2025
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.	✓	✓	✓
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.	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
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.	✓	✓	✓
	• 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	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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.	✓	Obs	✓
	• 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.	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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
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
	• 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	**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**			

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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	✓	Obs	Obs
	• Training of site personnel in proper waste management and chemical handling procedures	✓	✓	✓
	• Provision of sufficient waste disposal points and regular collection of waste	✓	✓	✓
	• 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	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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	✓	✓	✓
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.	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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.	✓	✓	✓
6.1	**Chemical Waste**			

EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• 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 2A, 2B & 2C		
EM&A Ref.	Recommendation Measures	November 2024	December 2024	January 2025
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
	• 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

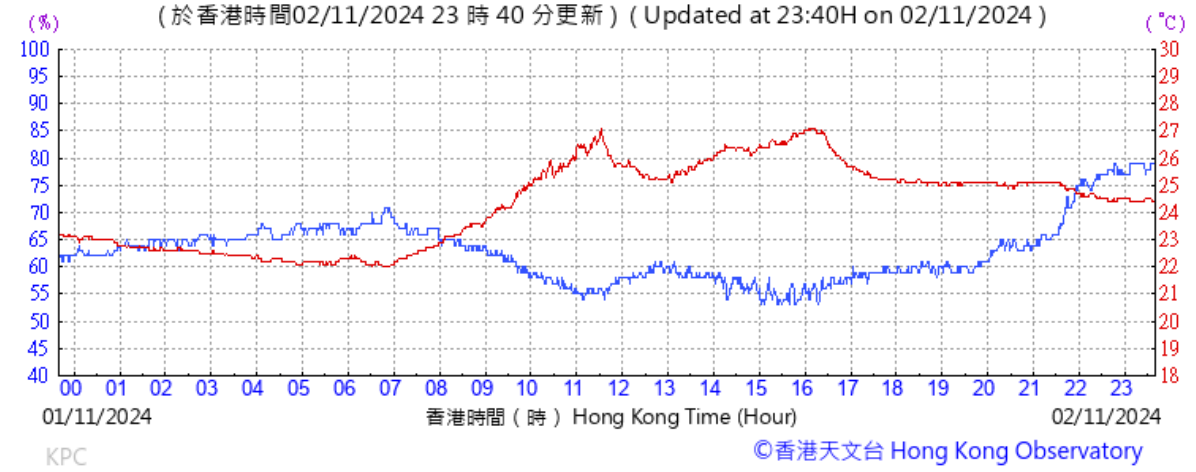
EM&A Ref.	Recommendation Measures	Implementation Stage Zone 2A, 2B & 2C November 2024	December 2024	January 2025
	• Speed control for trucks carrying contaminated materials should be exercised;	N/A	N/A	N/A
	• Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354) and obtain all necessary permits where required; and	N/A	N/A	N/A
	• 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 (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
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
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
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

		Implementation Stage		
		Zone 2A, 2B & 2C		
EM&A Ref.	Recommendation Measures	November 2024	December 2024	January 2025
Table 9.1 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	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
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
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
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
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
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 - Not Applicable
✓ - Implemented
Obs - Observed
Rem - Reminder

D. Meteorological Data Extracted from Hong Kong Observatory

Tempearture/Humidity:



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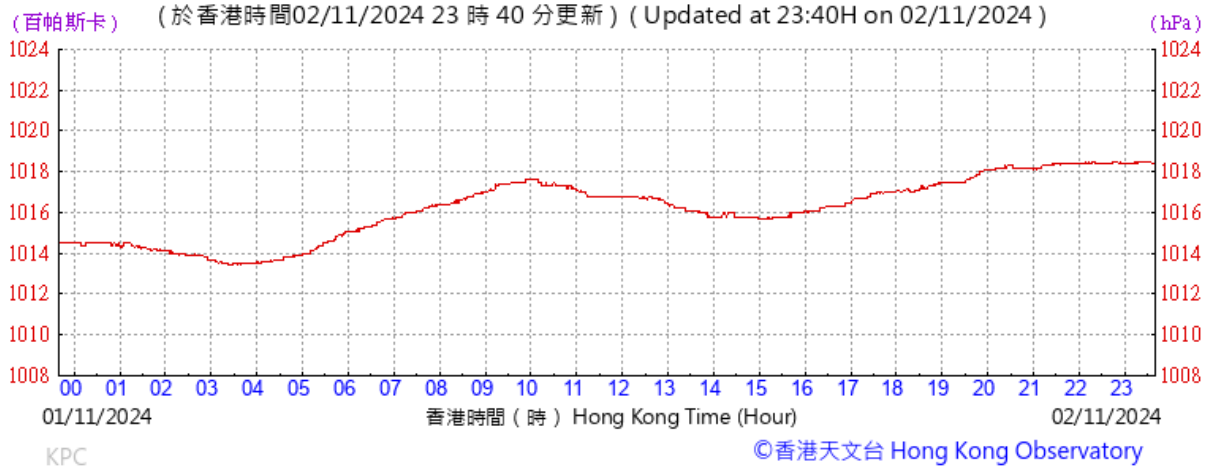

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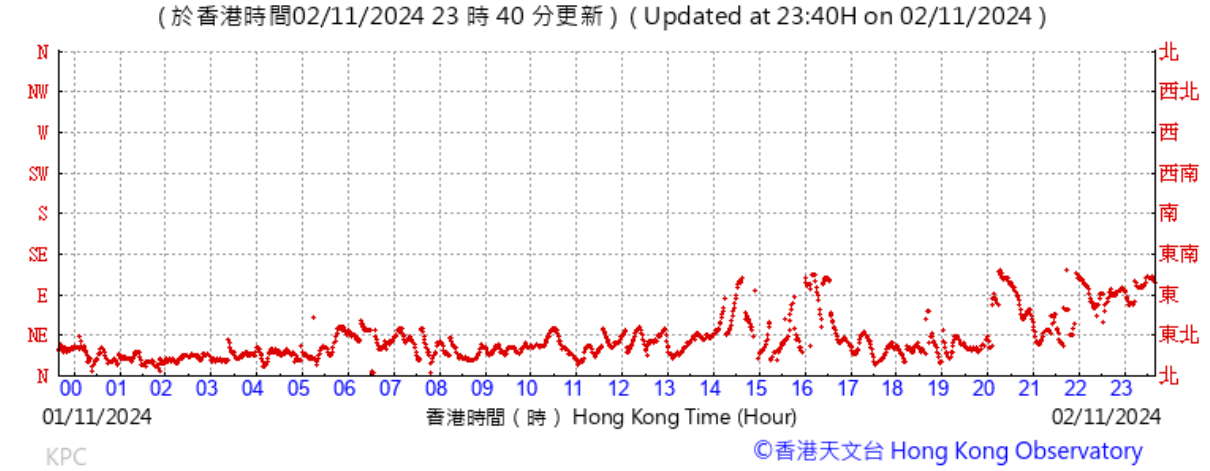
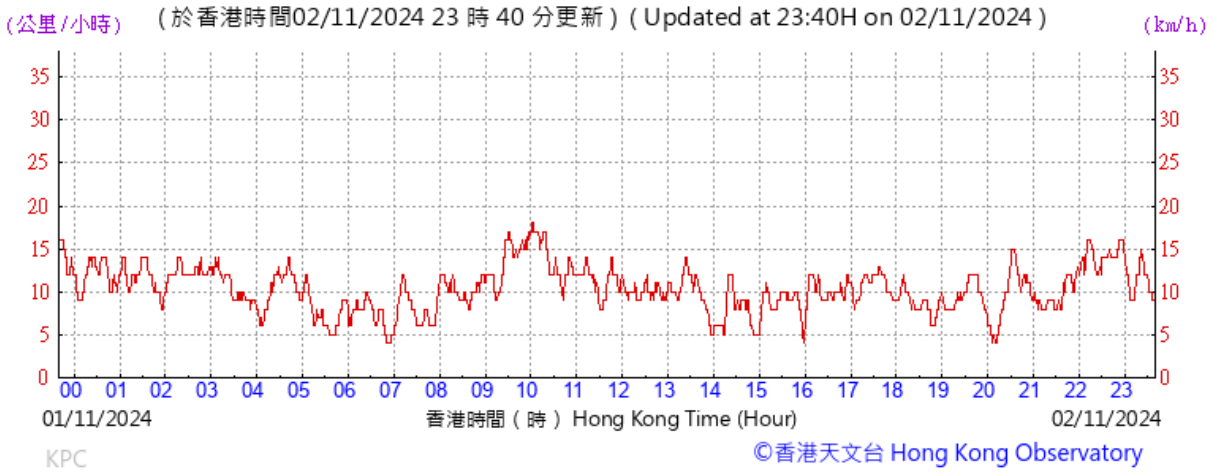


Wind Speed:



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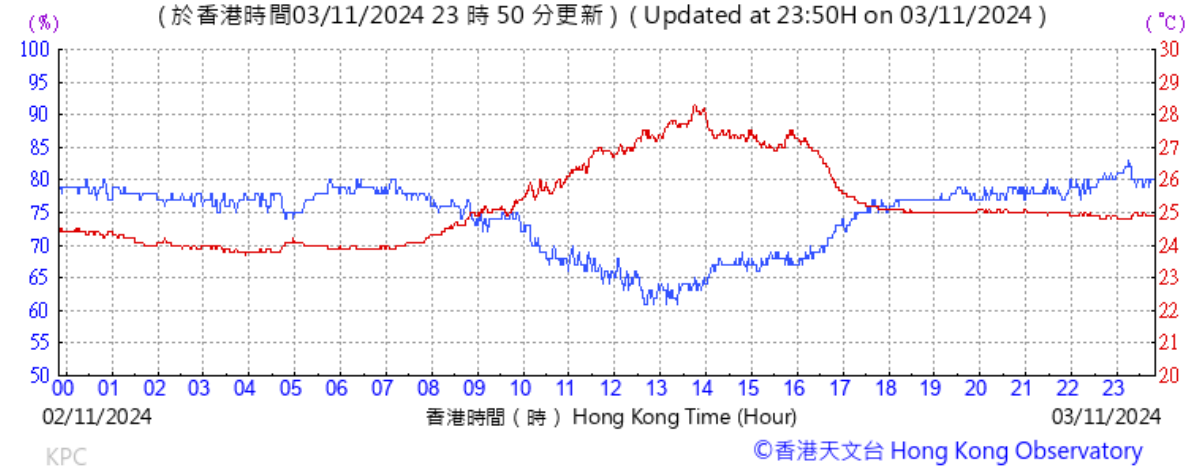

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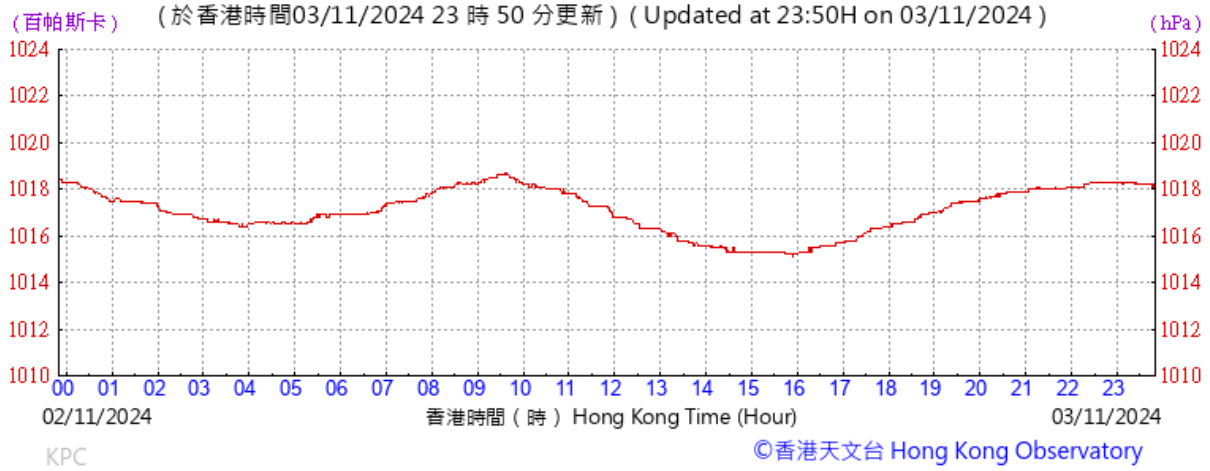

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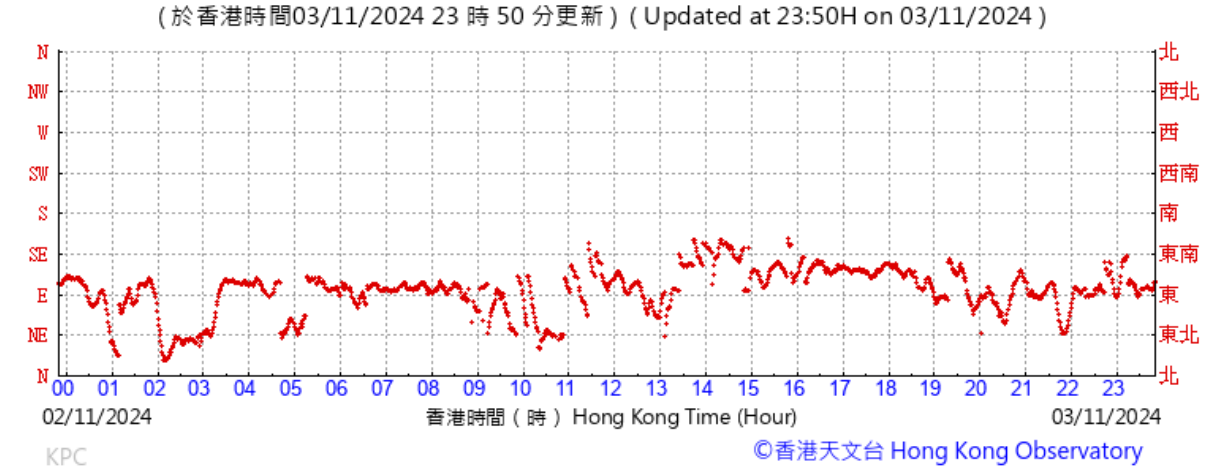

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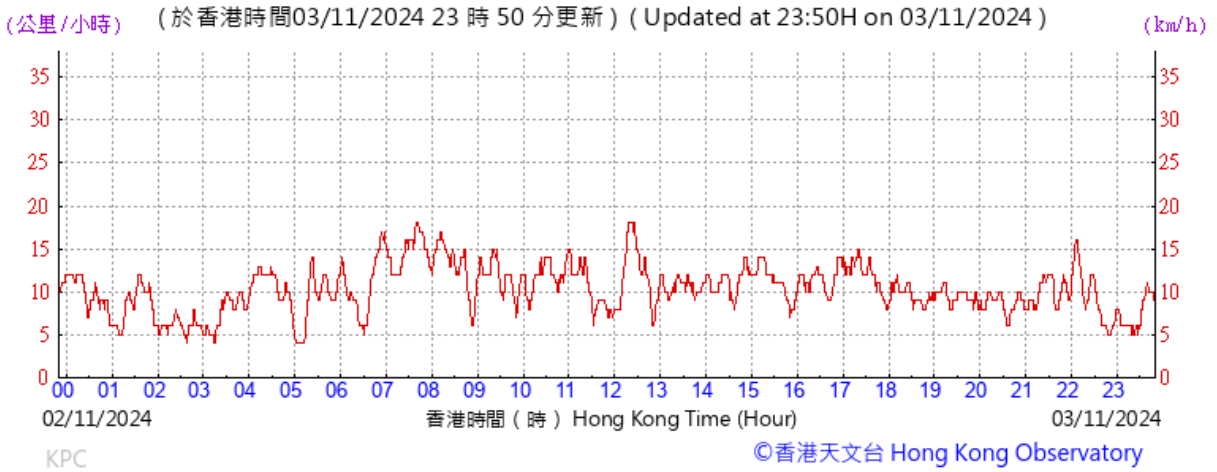

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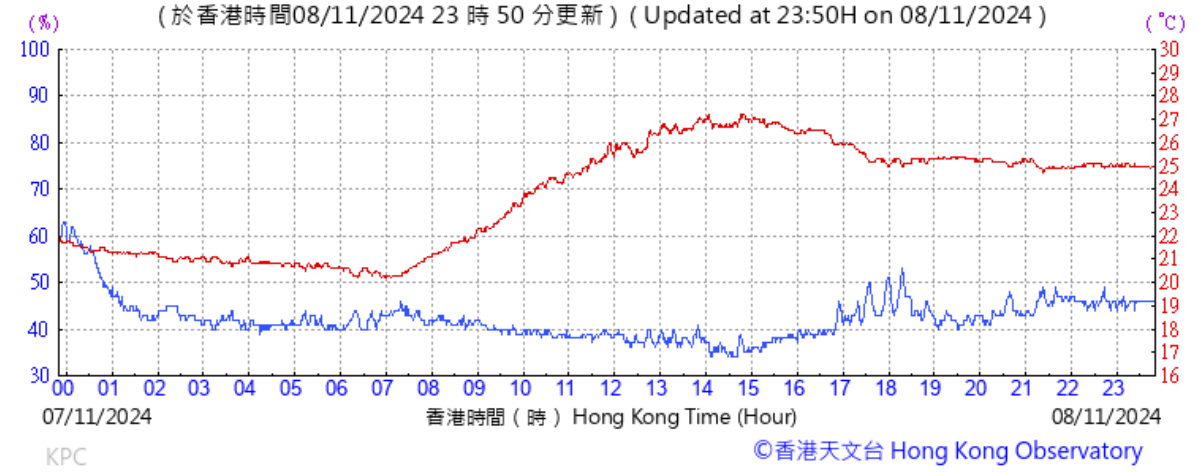

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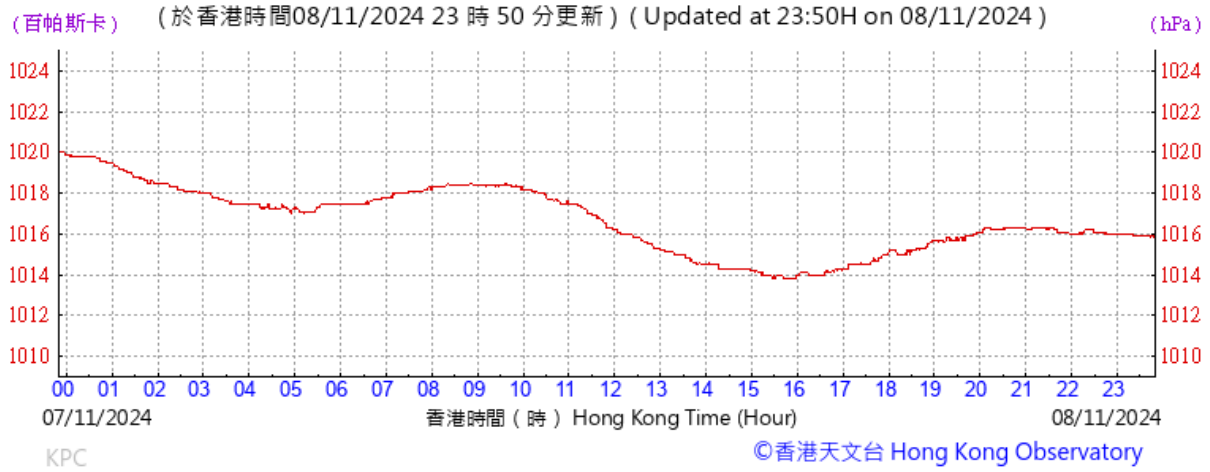

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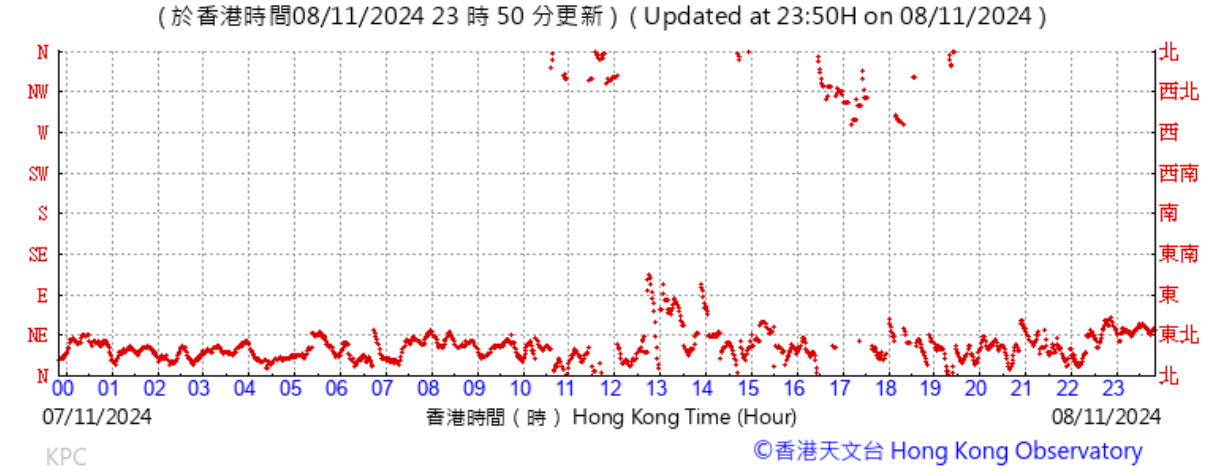

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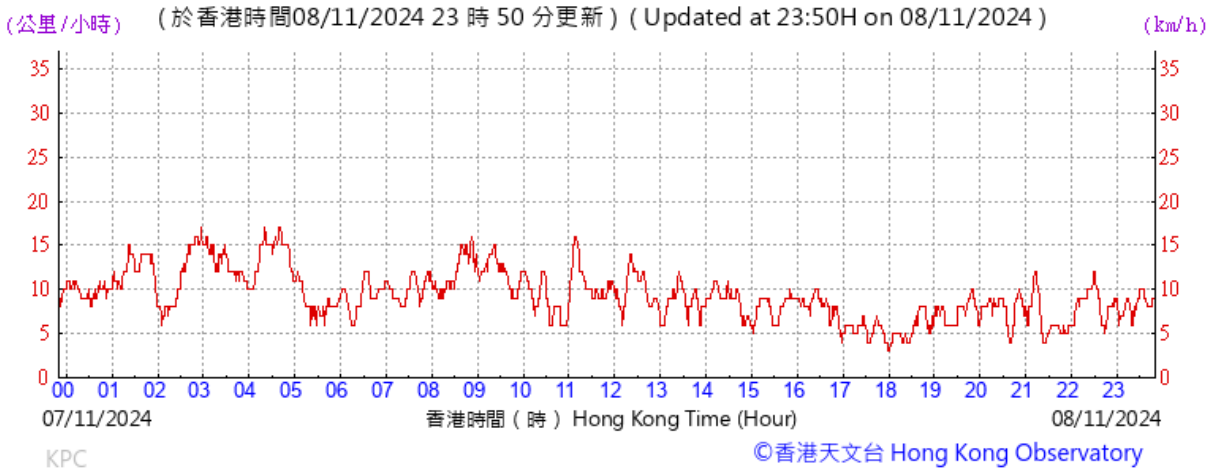

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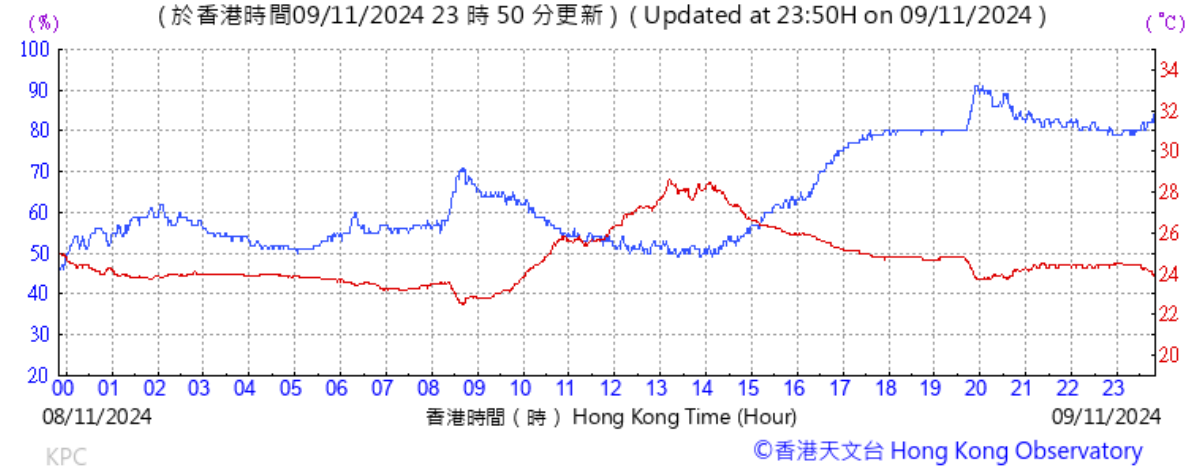
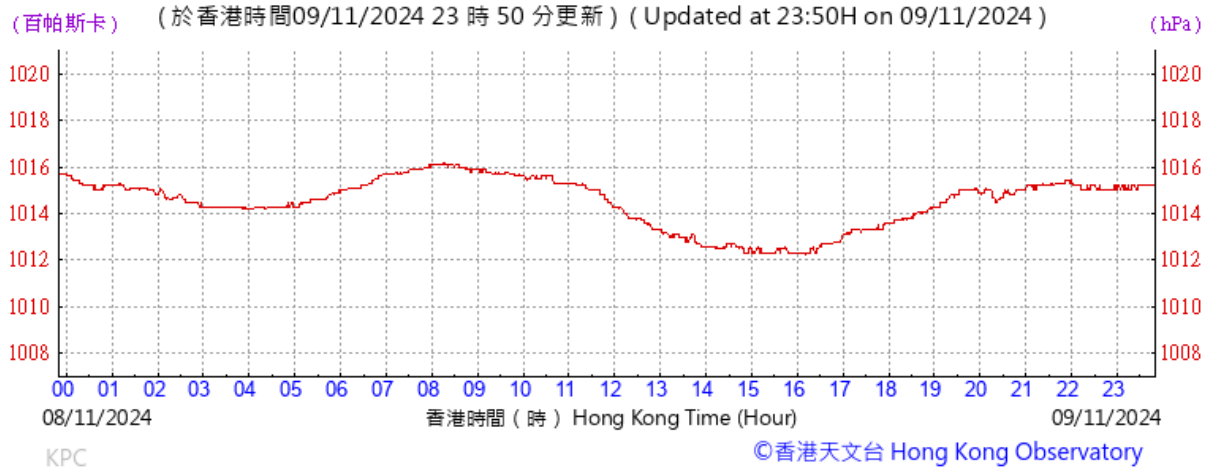
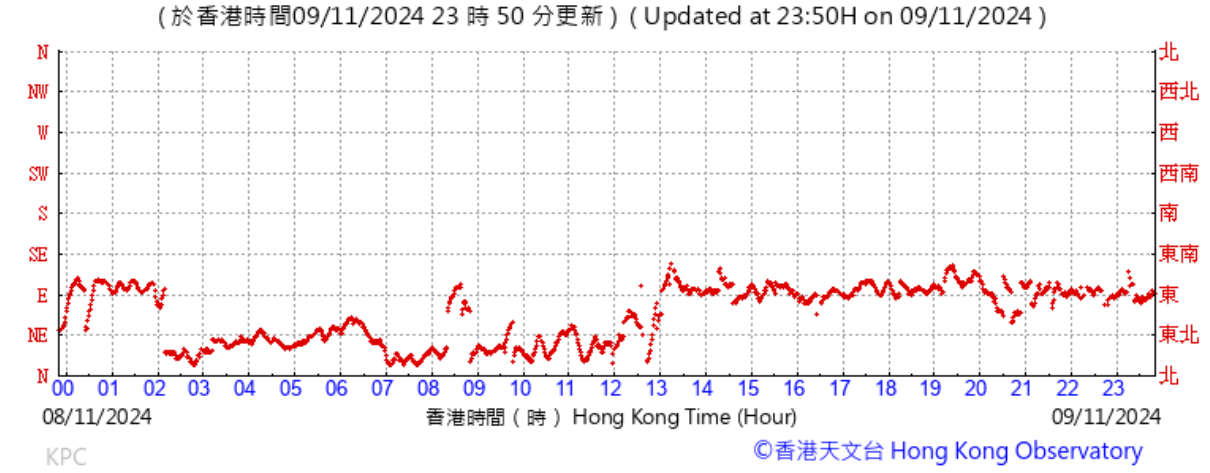


Pressure:

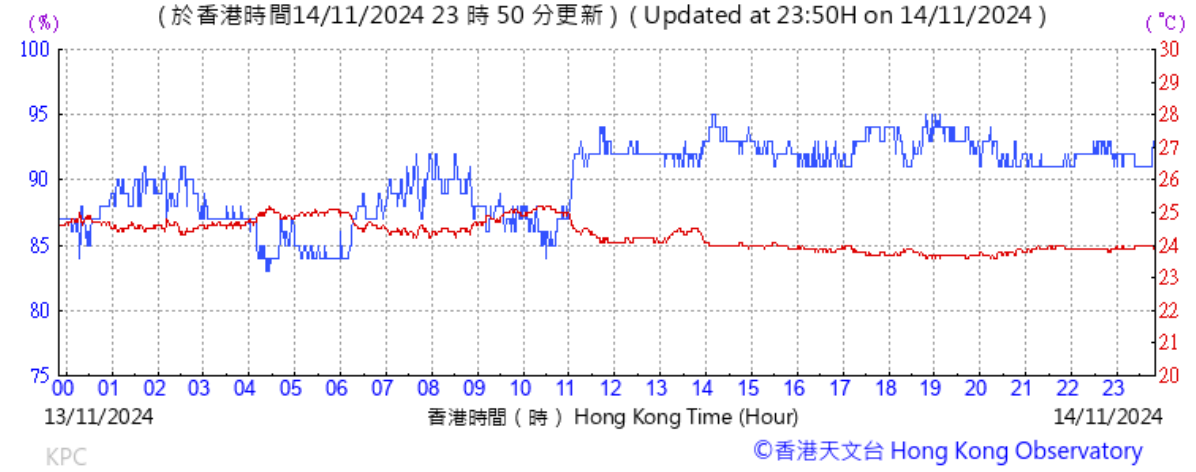


Wind Direction:



Wind Speed:

Tempearture/Humidity:



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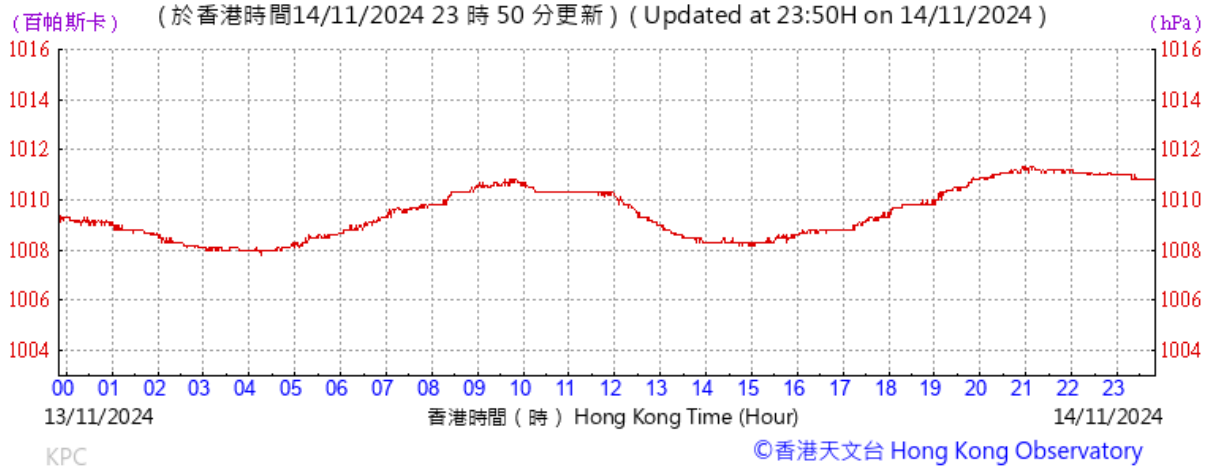
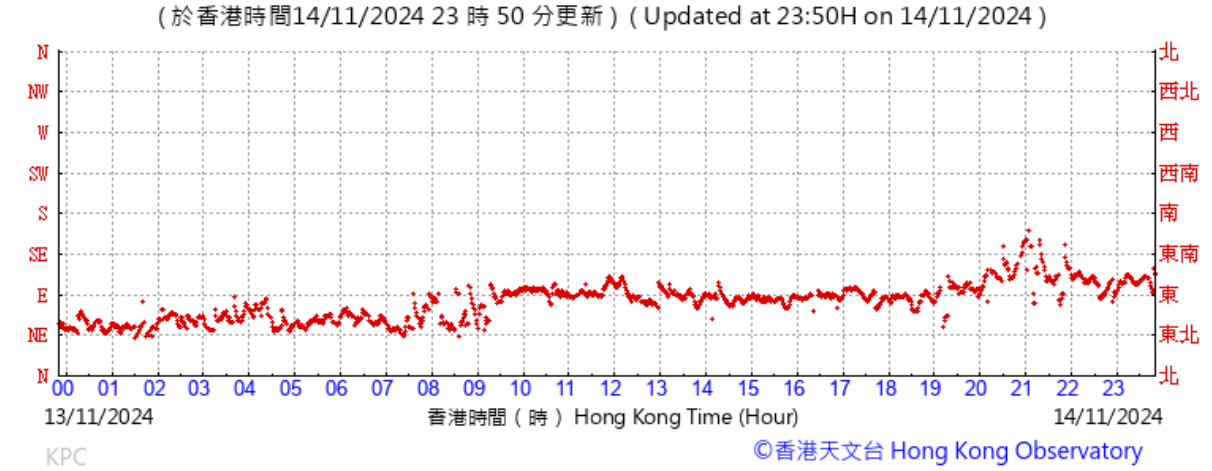


Wind Direction:



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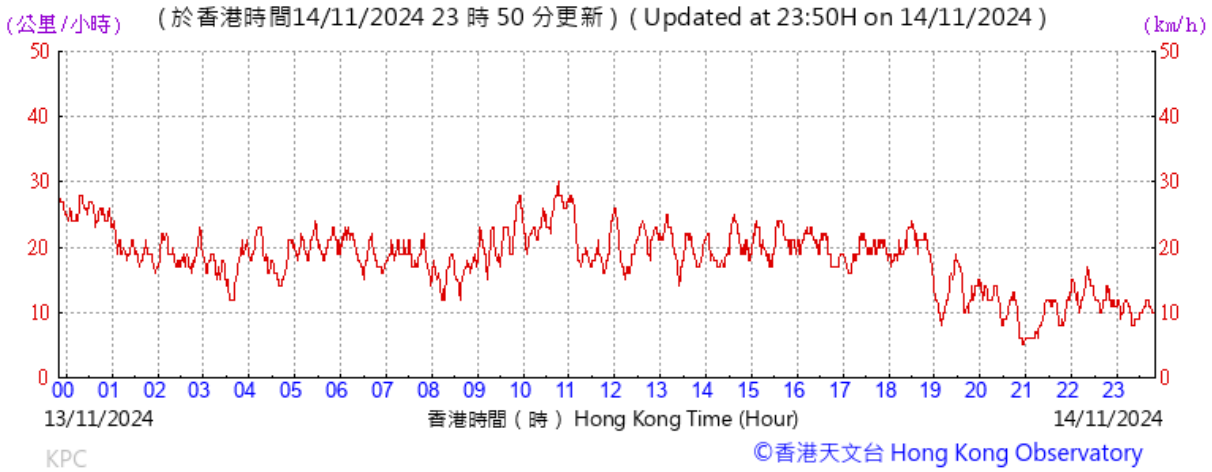

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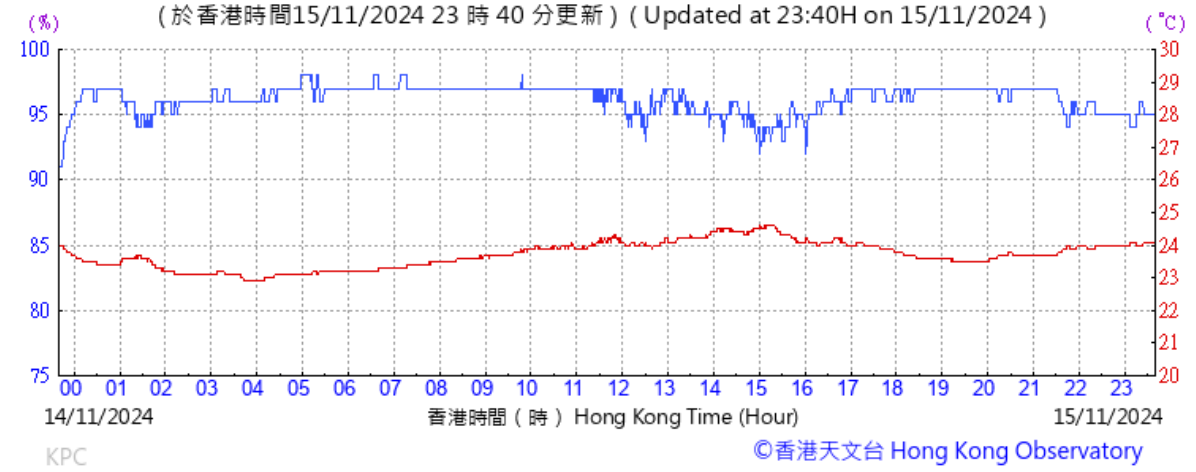

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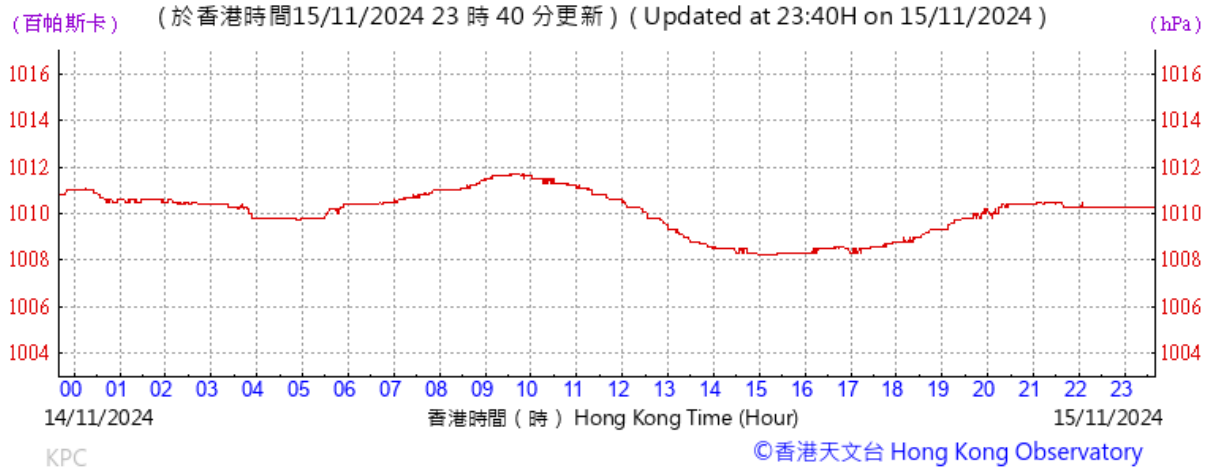

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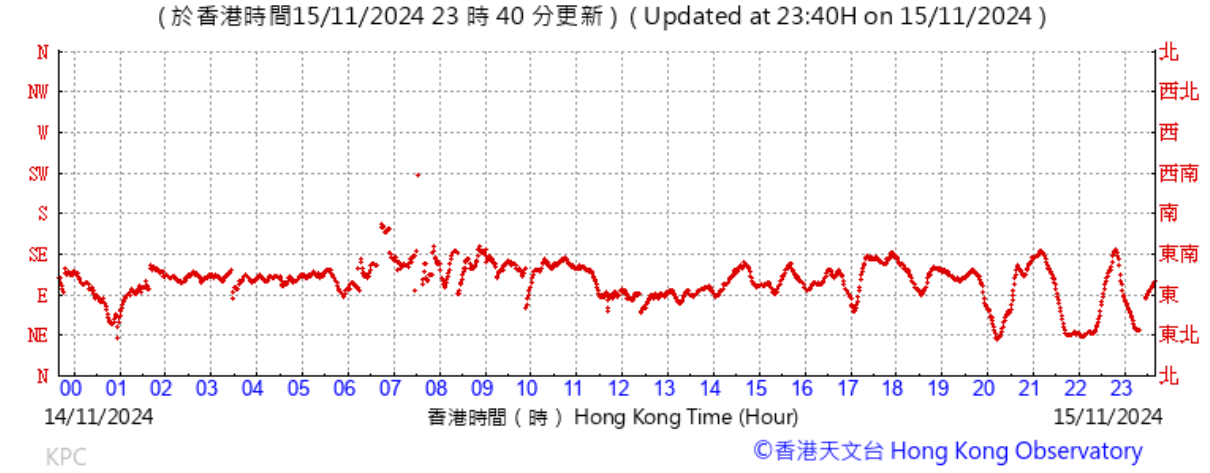

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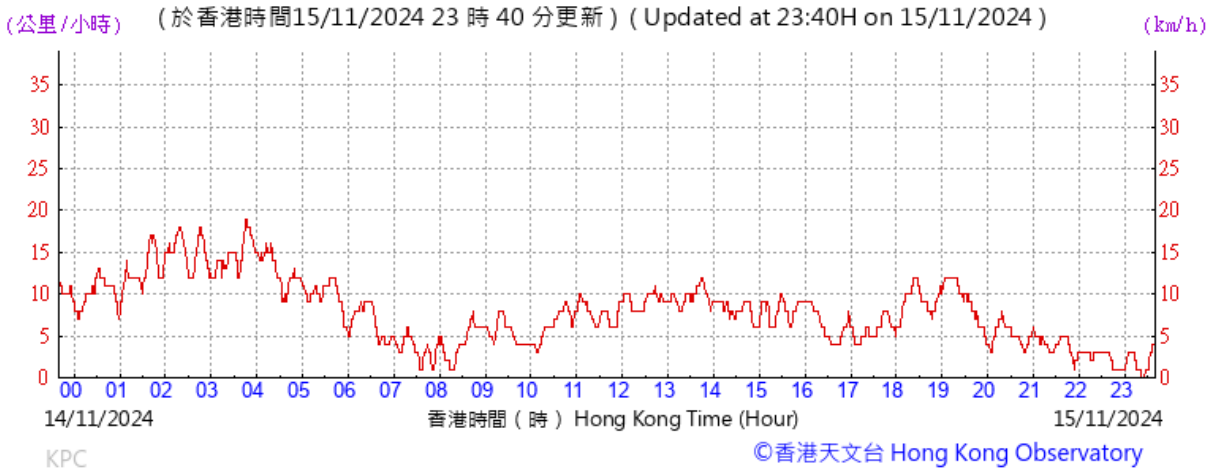

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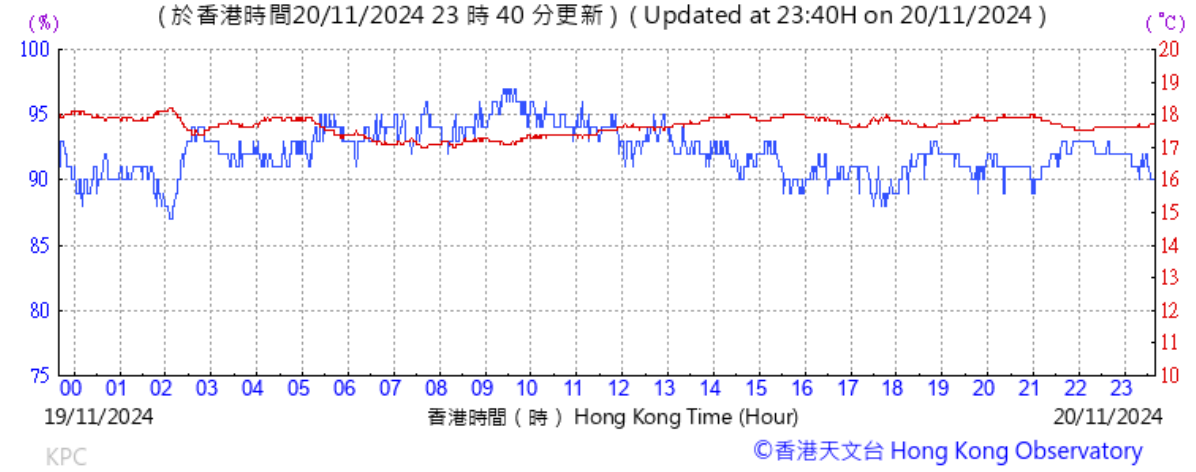

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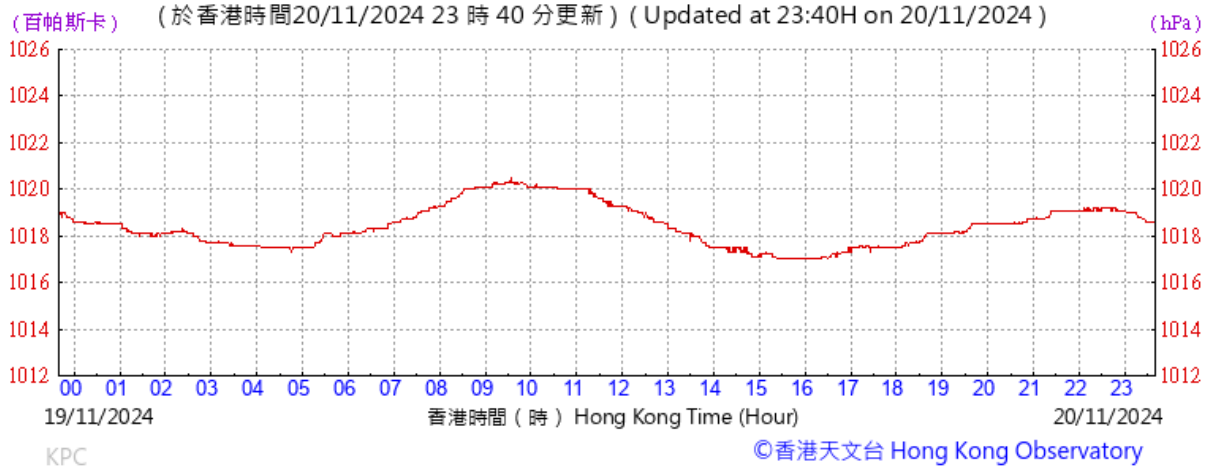

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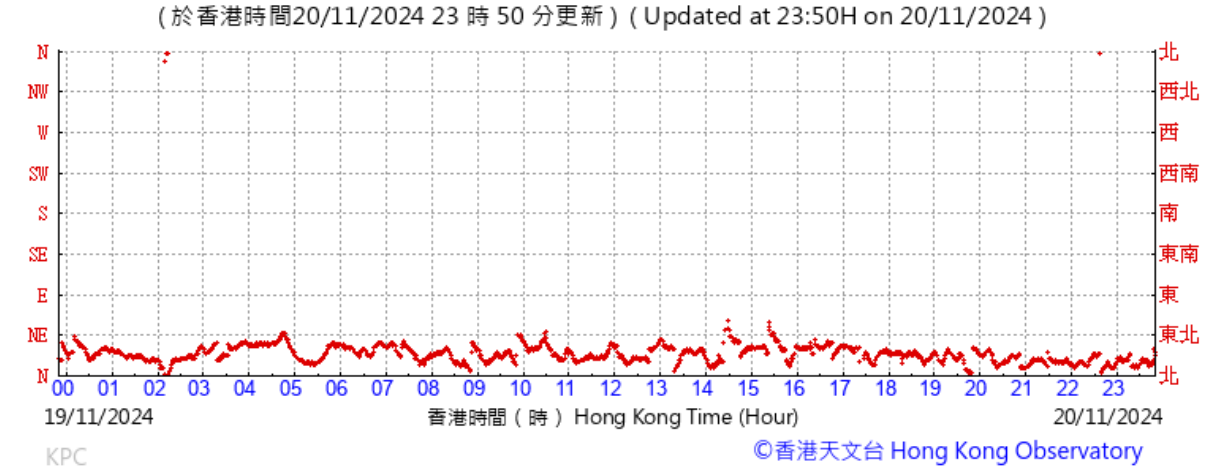

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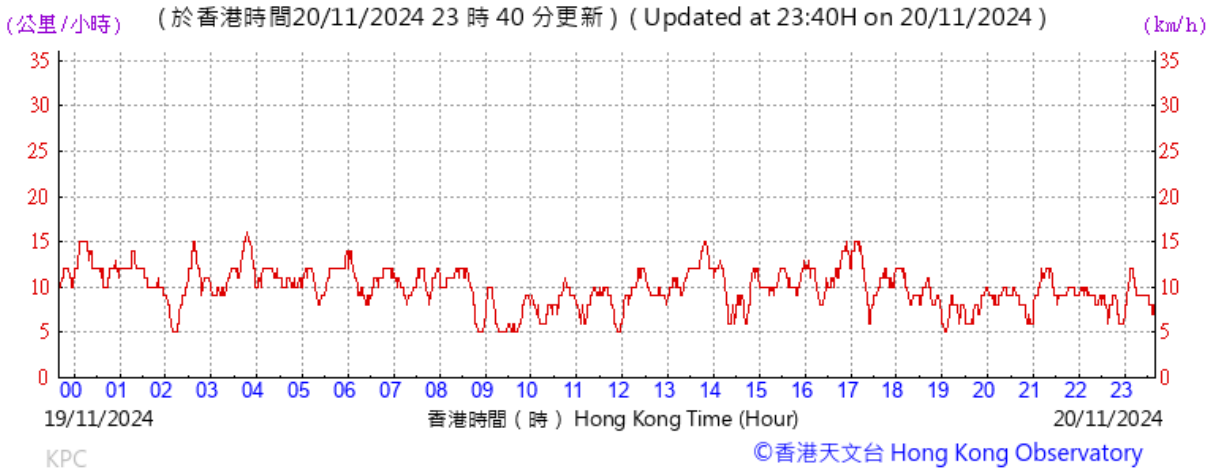

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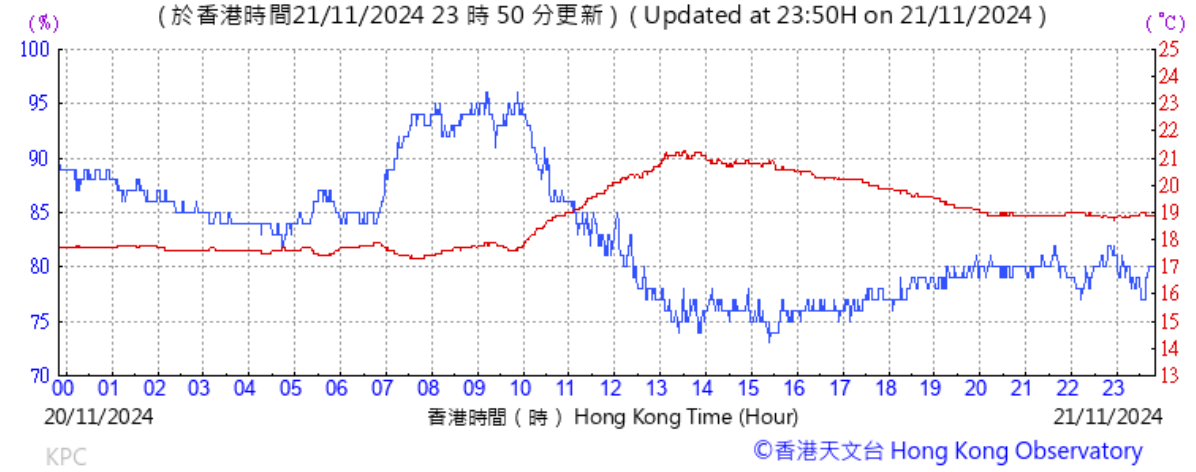

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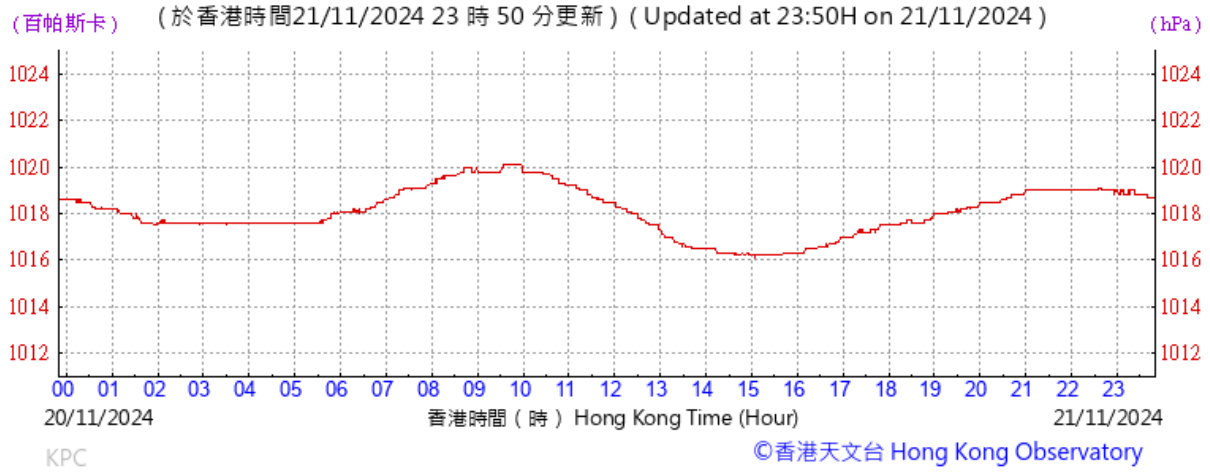

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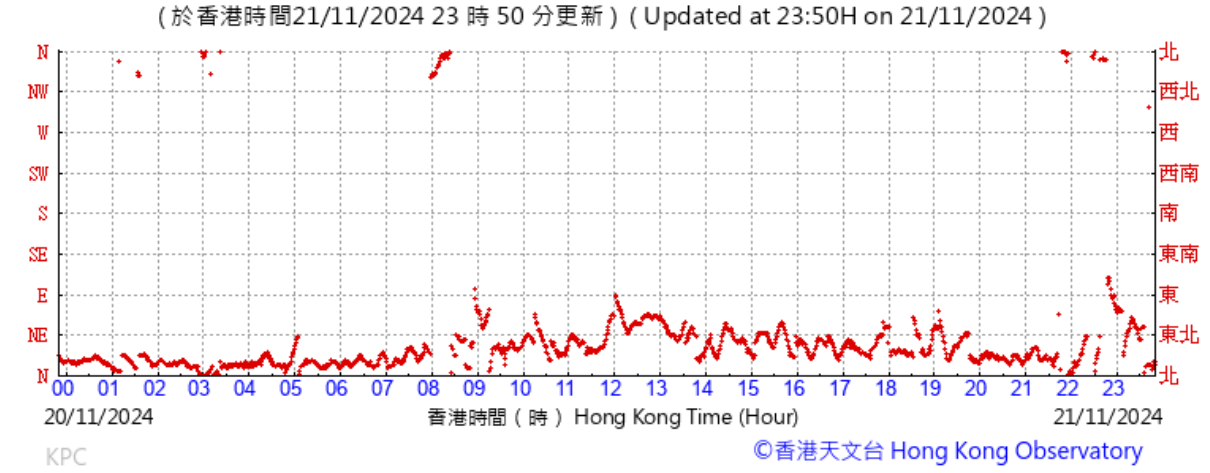

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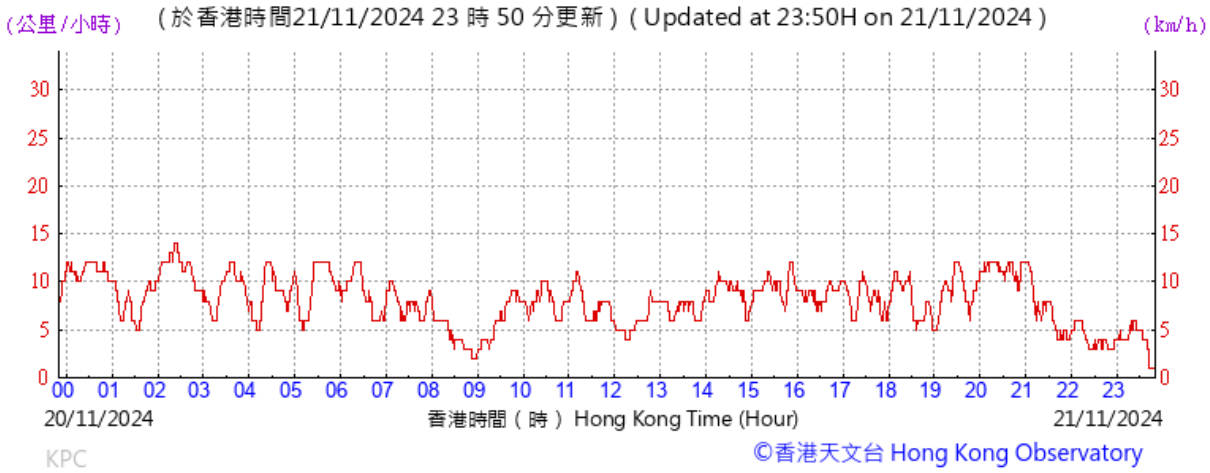

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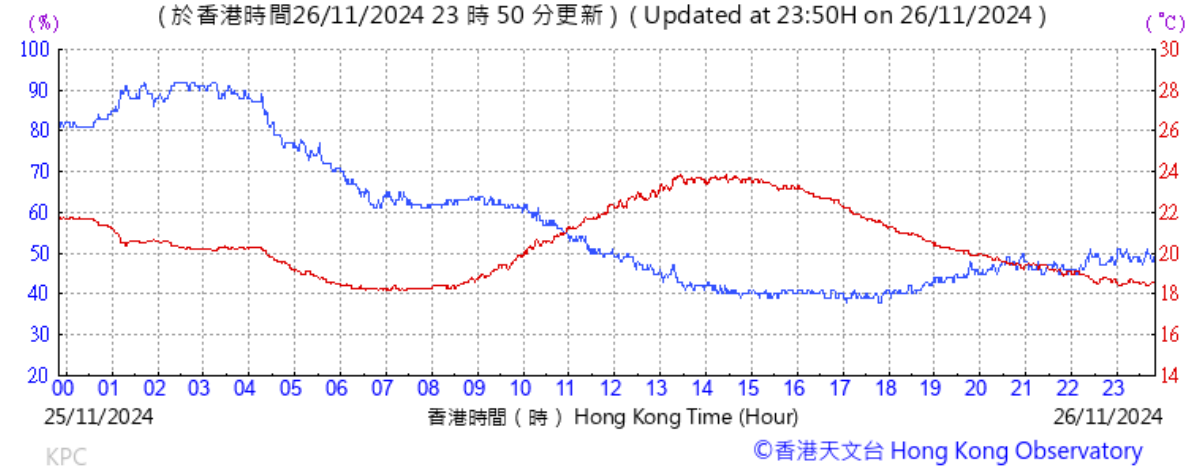

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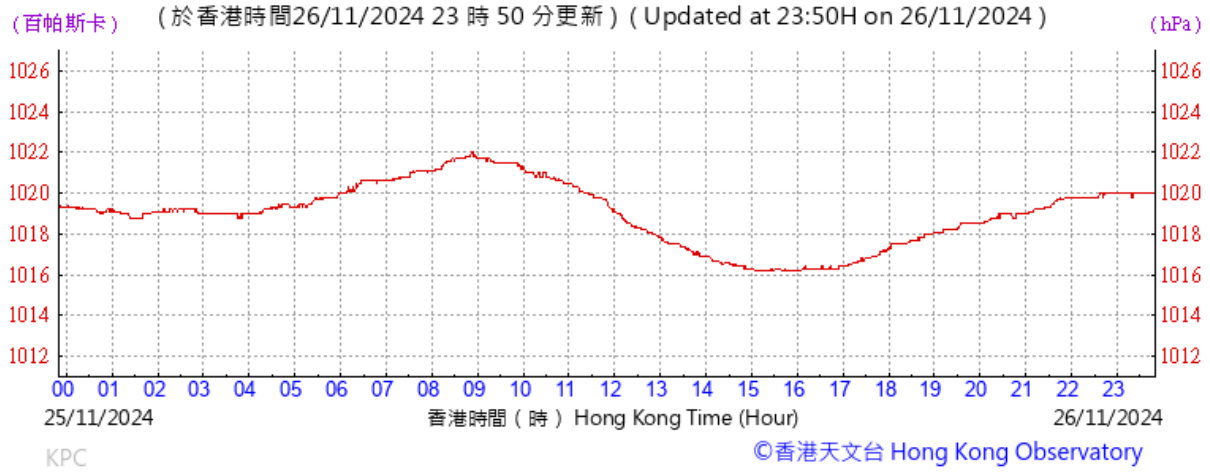

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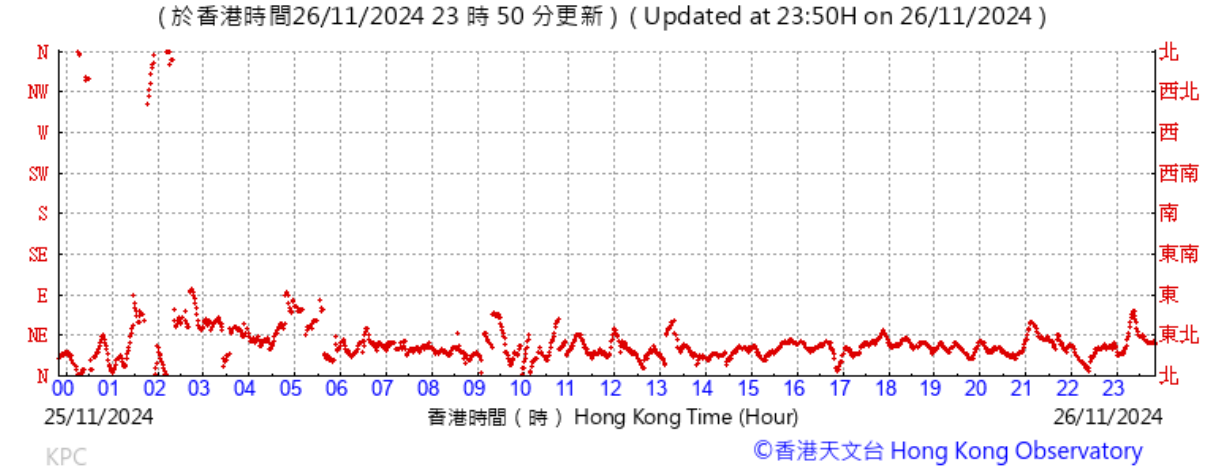

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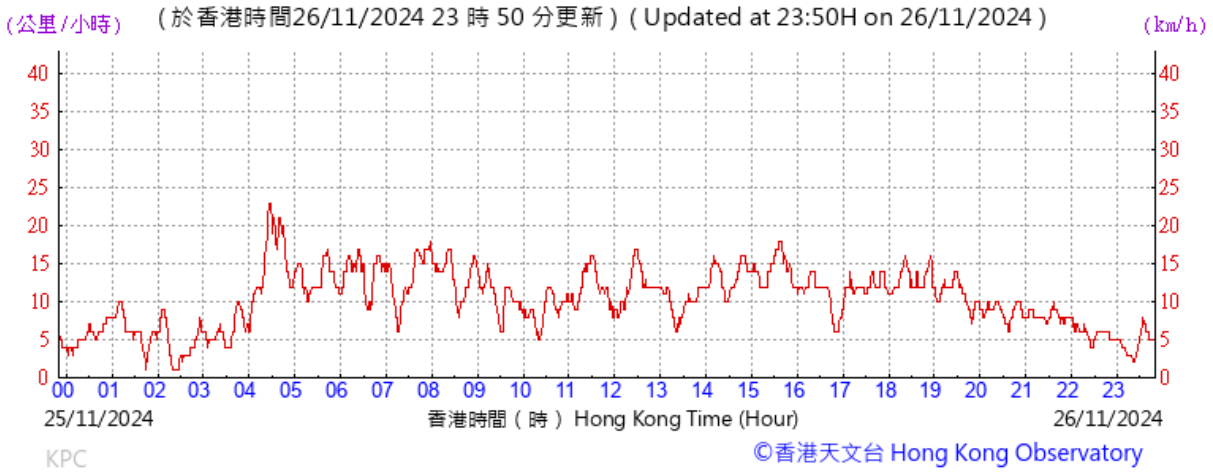

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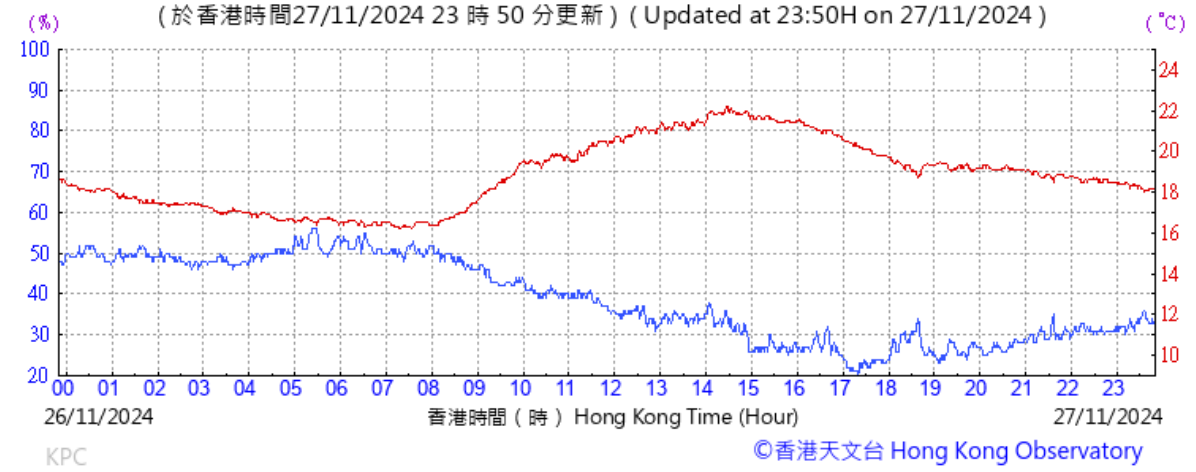

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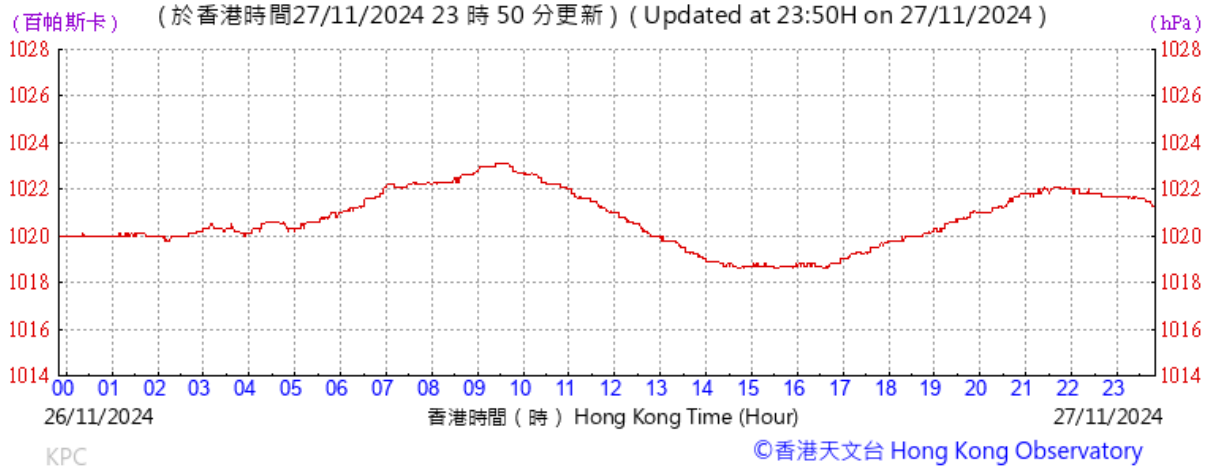

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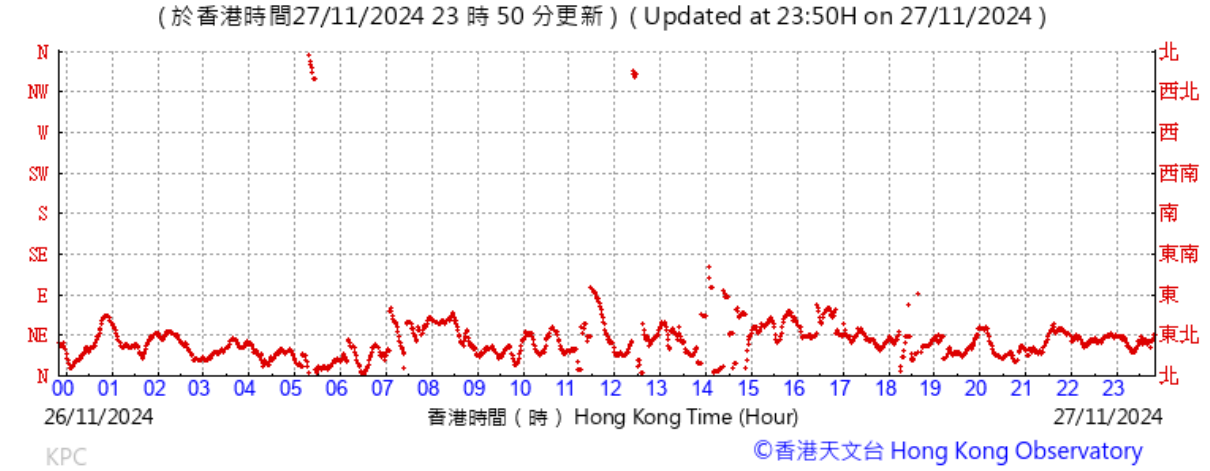

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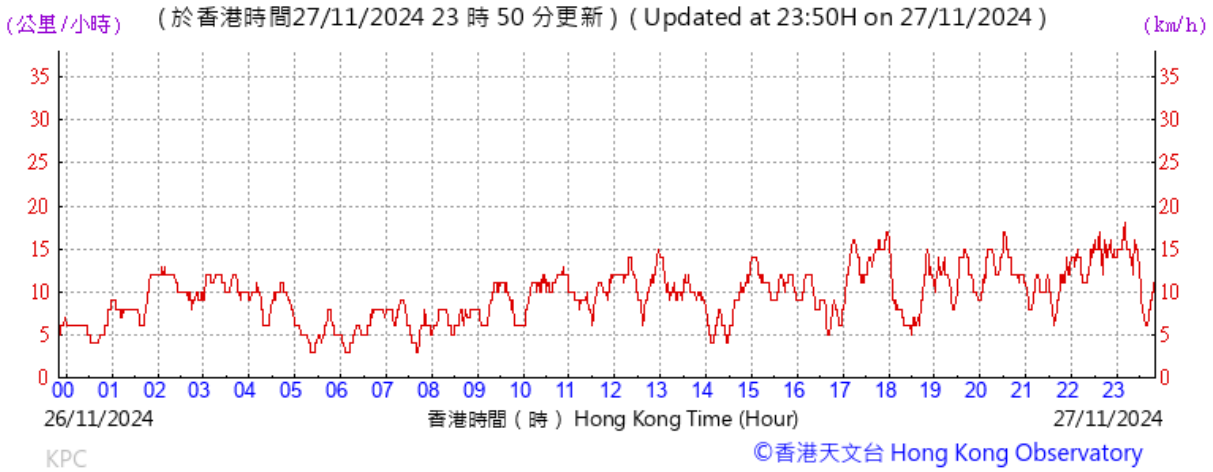

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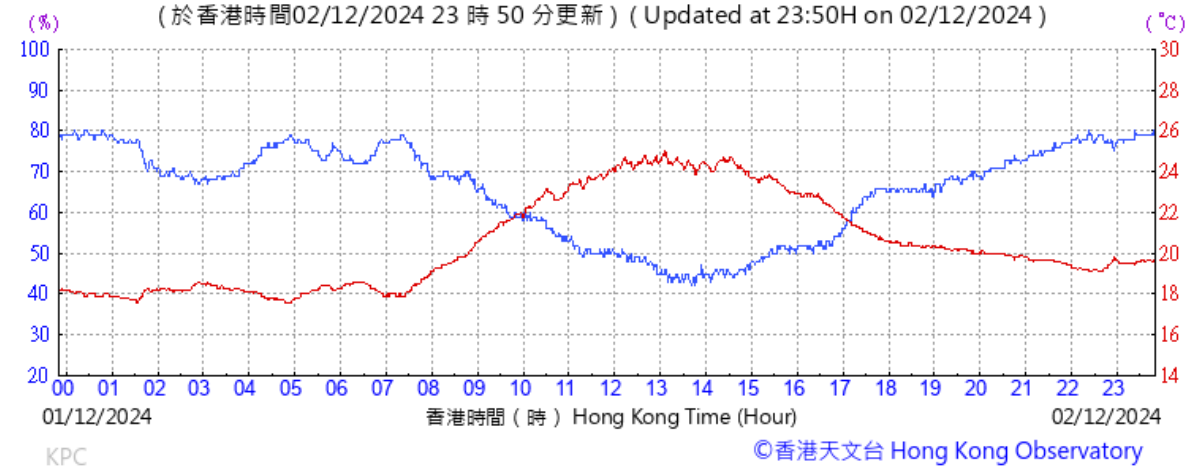

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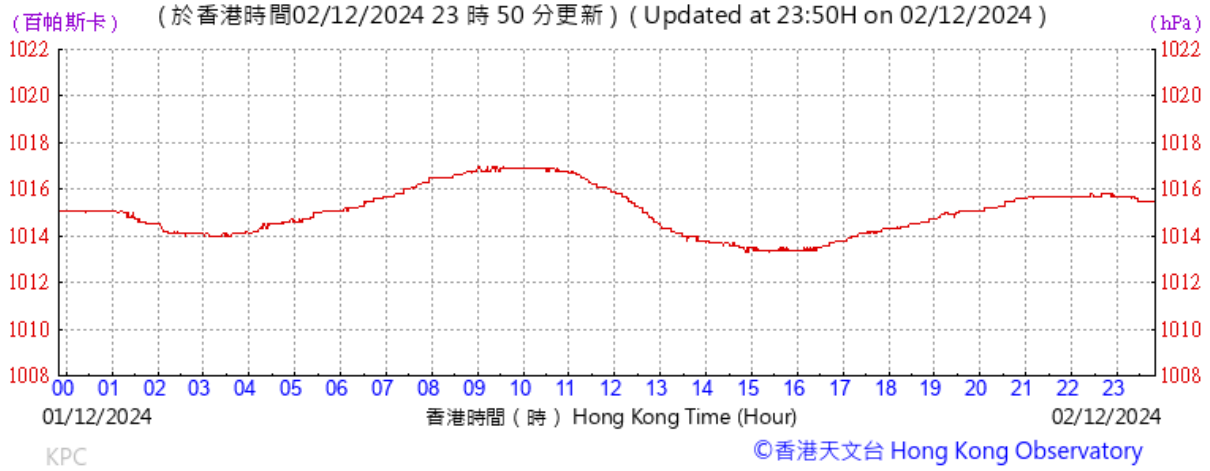

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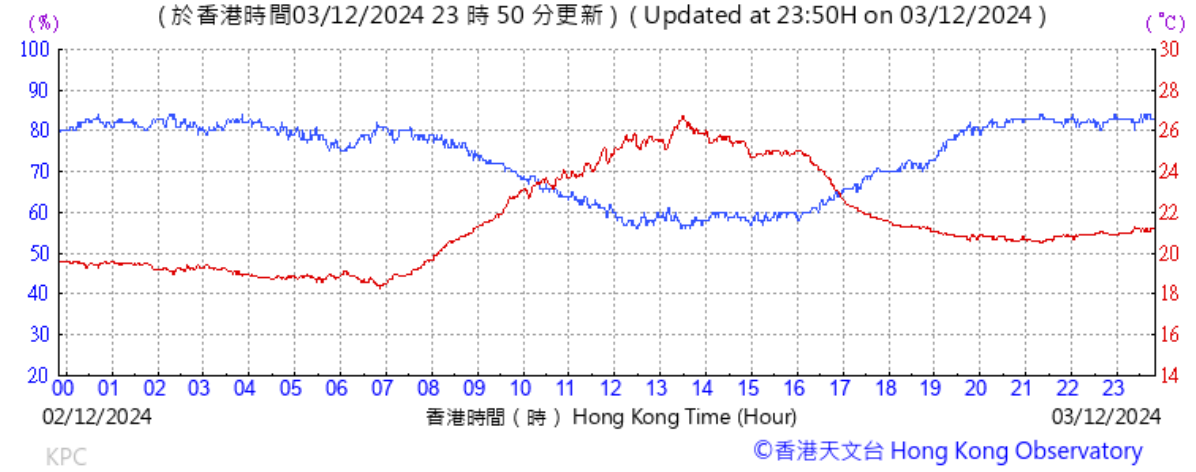
Wind Speed:

Tempearture/Humidity:



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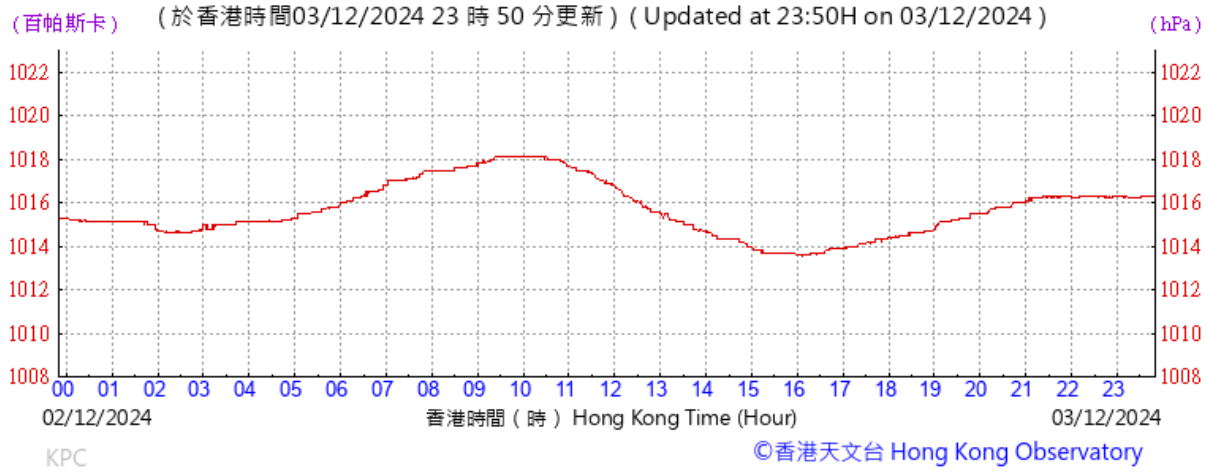

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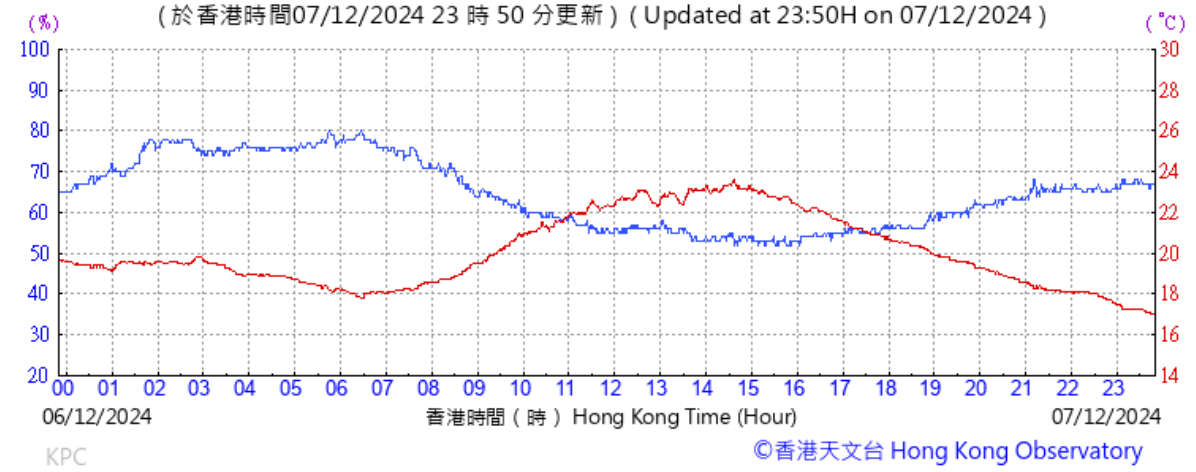

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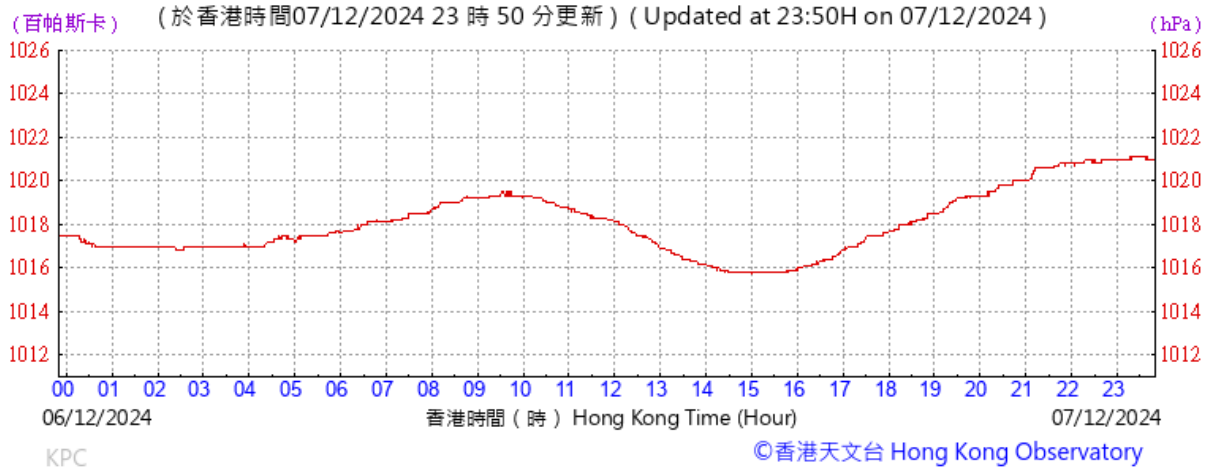

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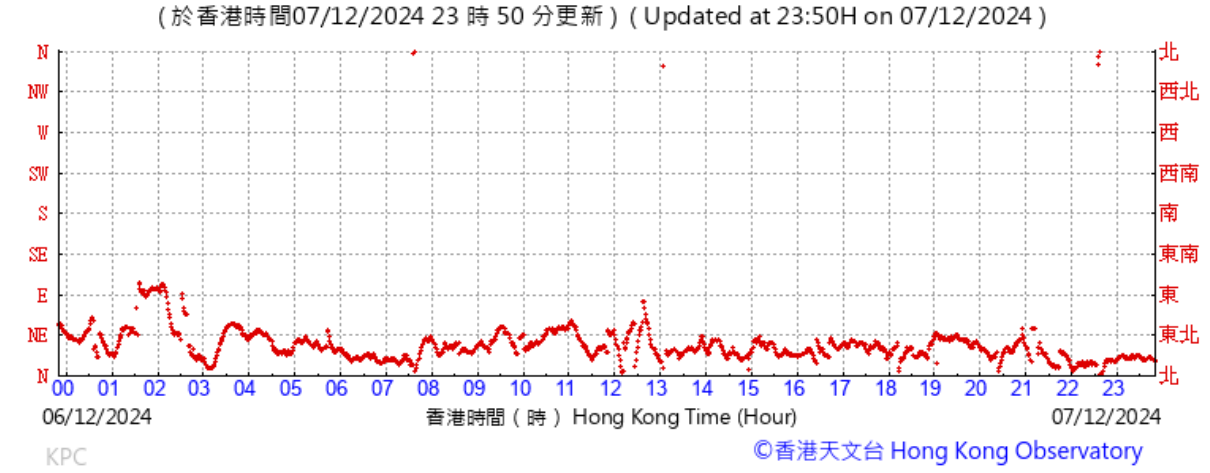

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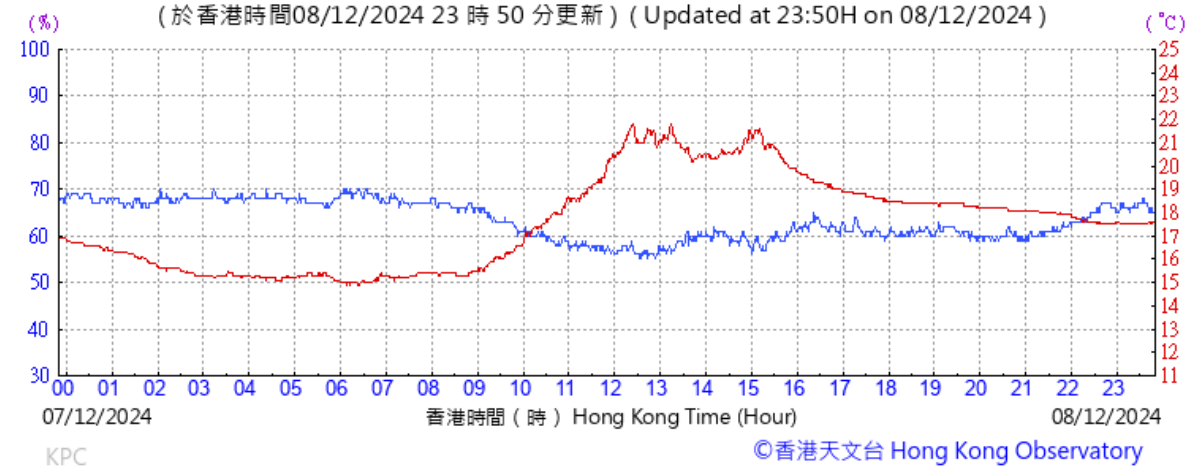

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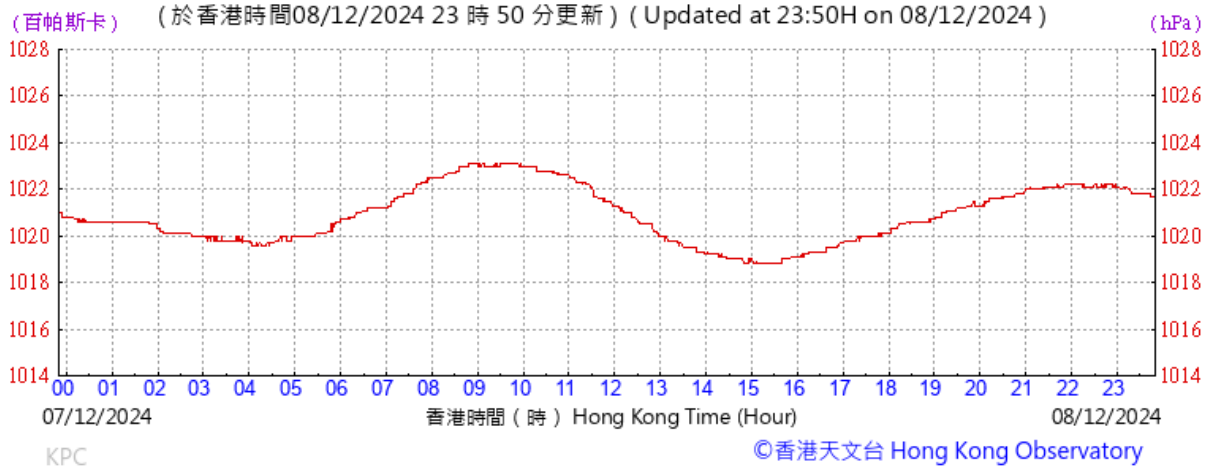

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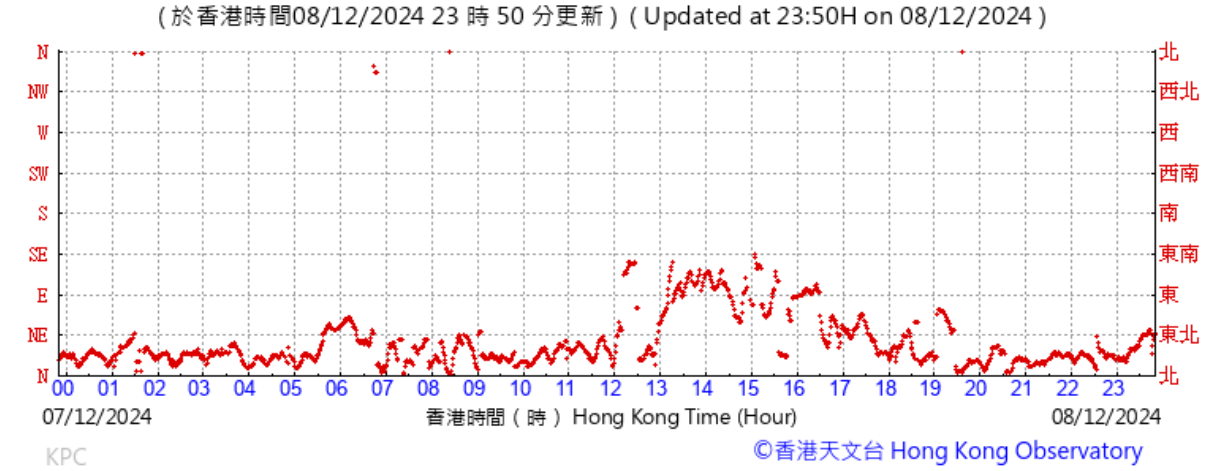

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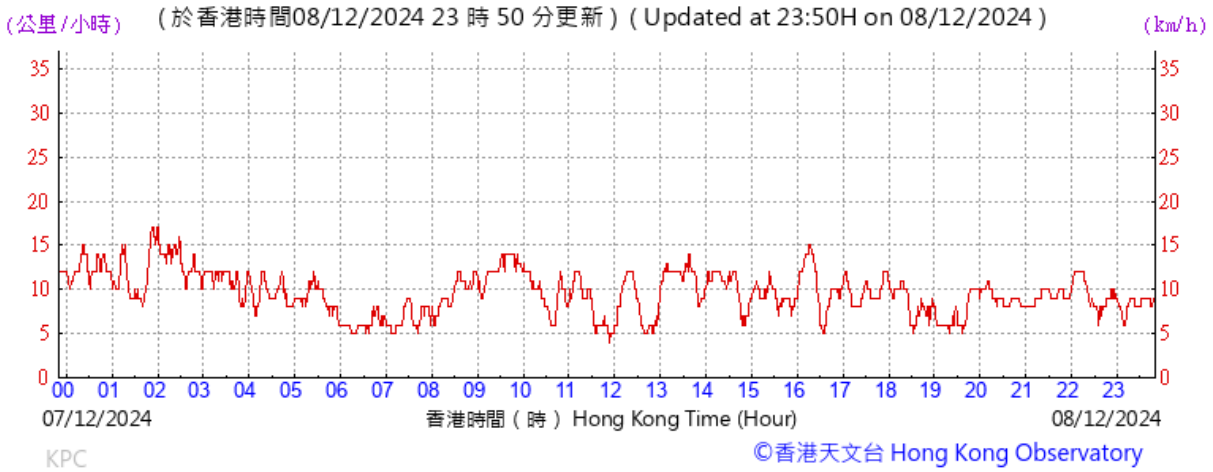

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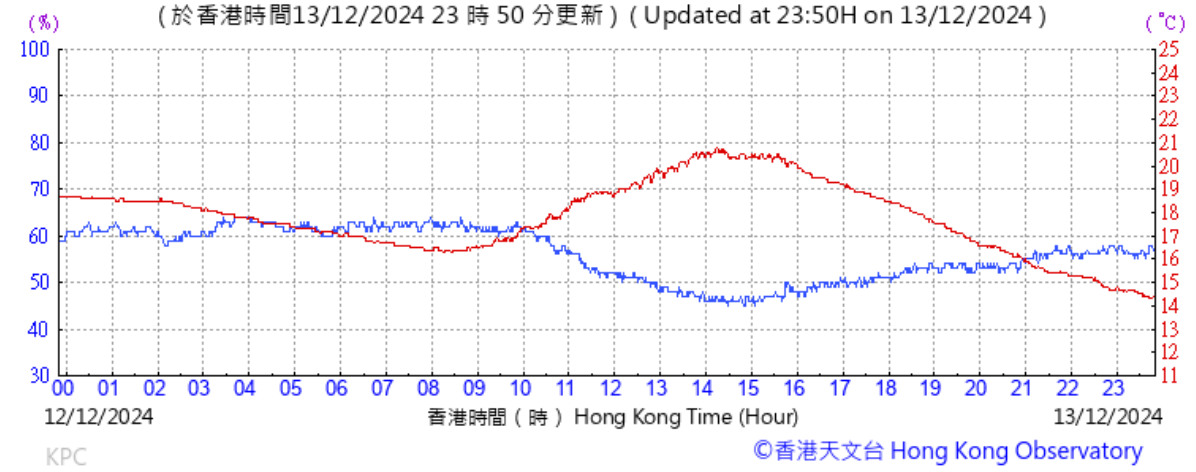

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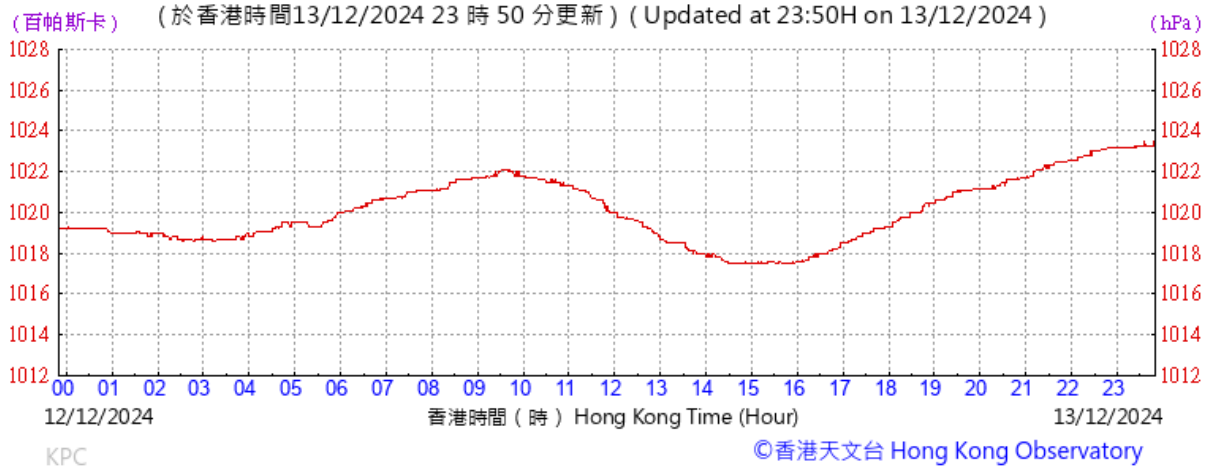

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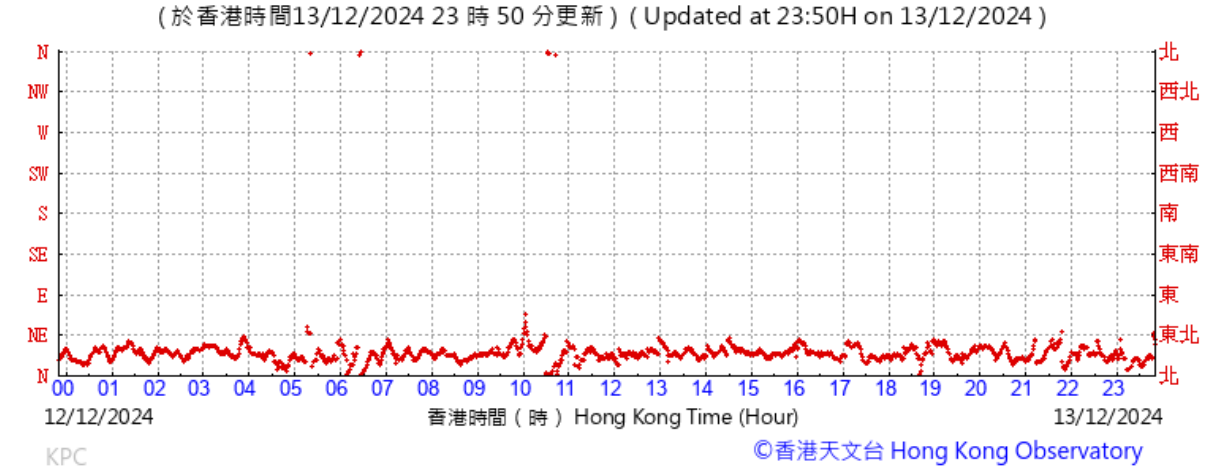

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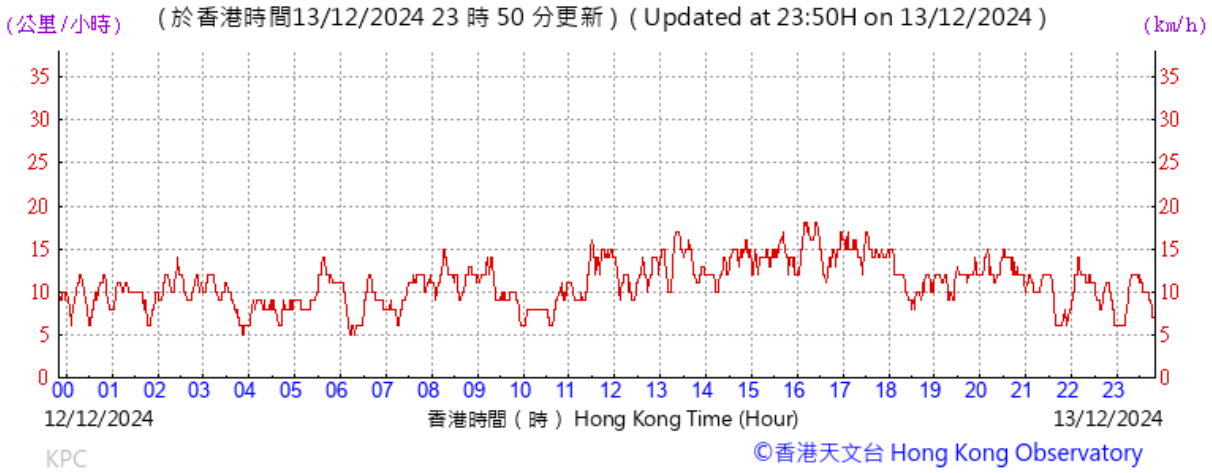

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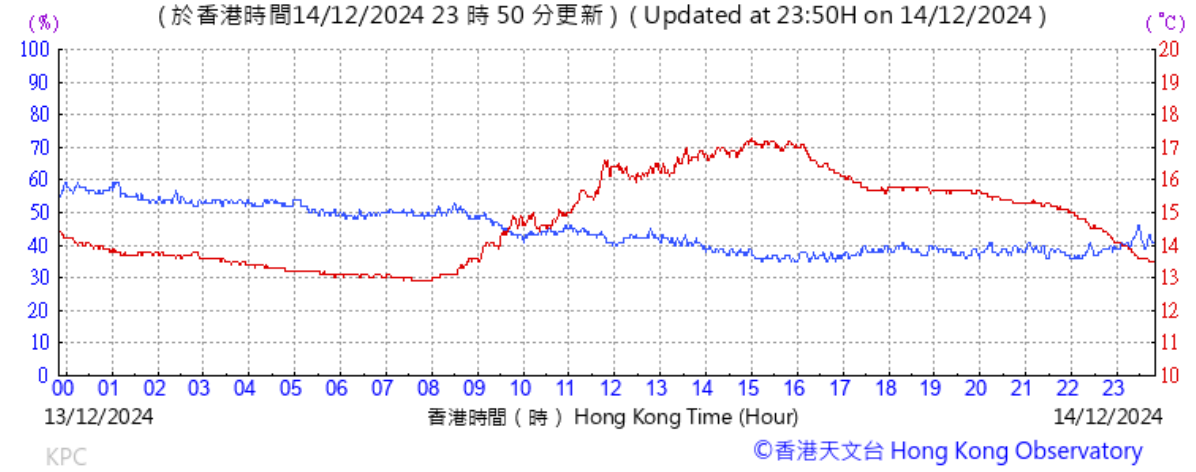

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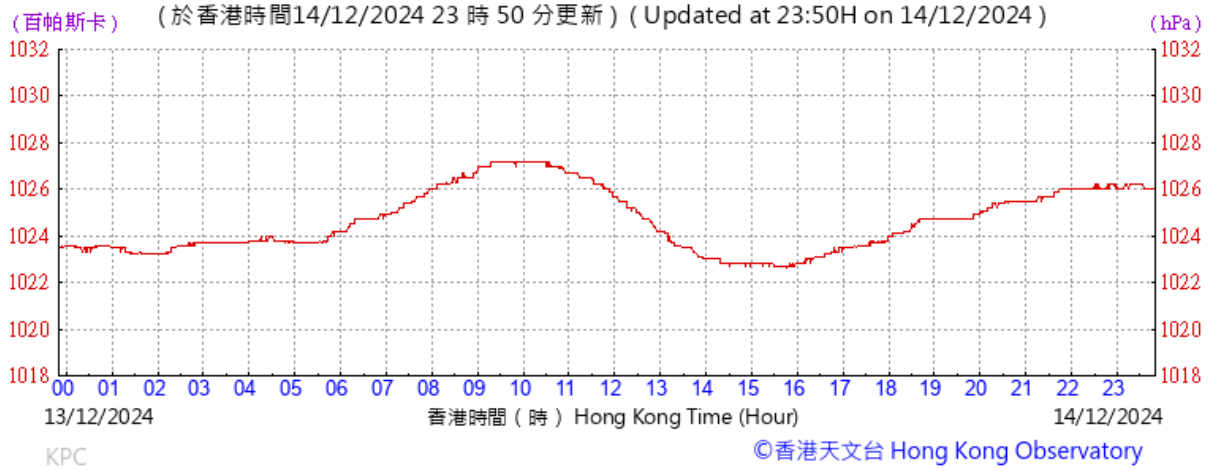

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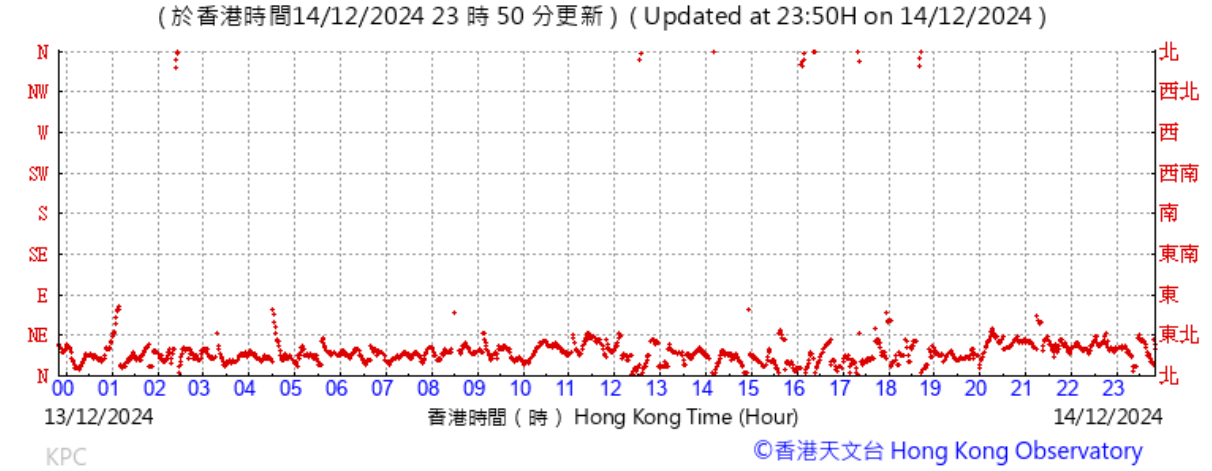

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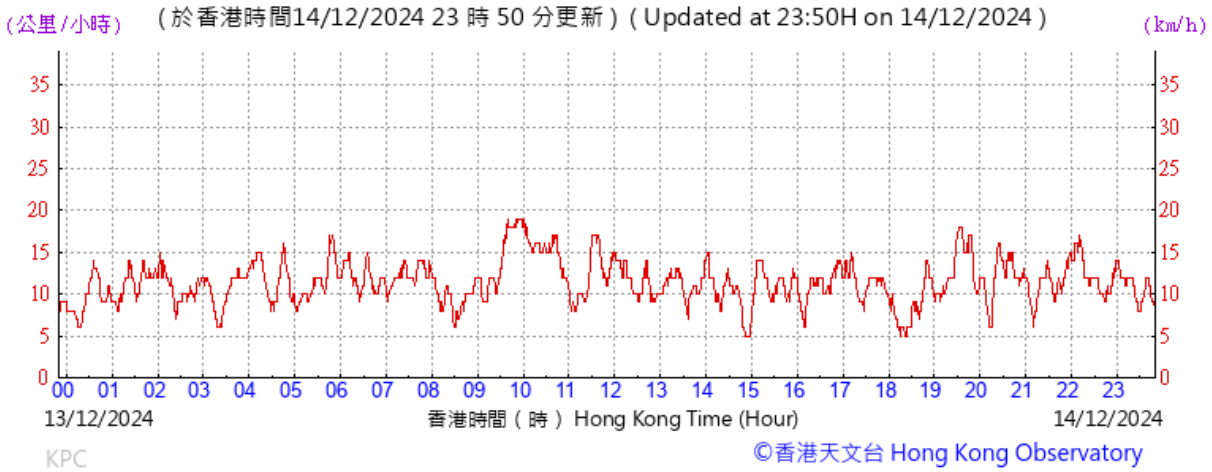

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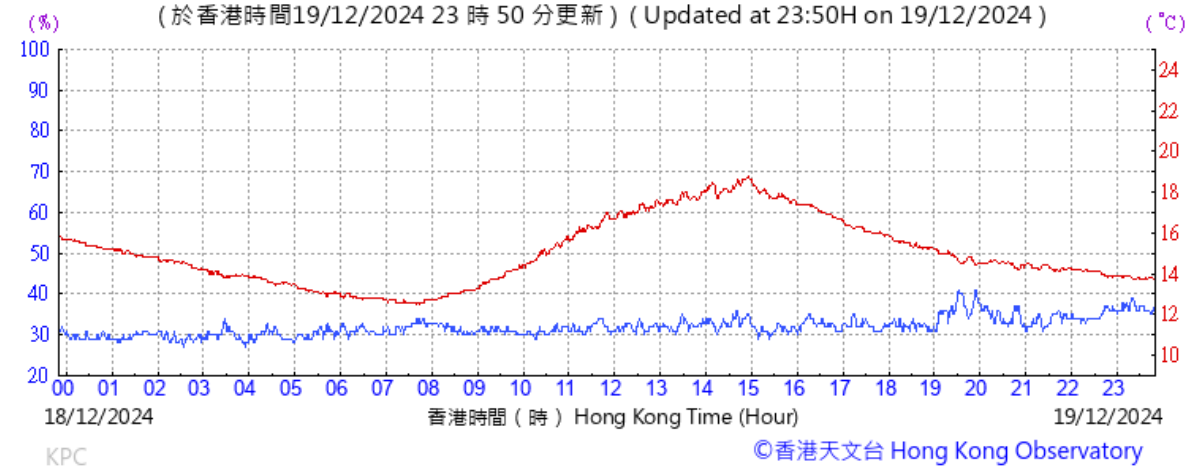

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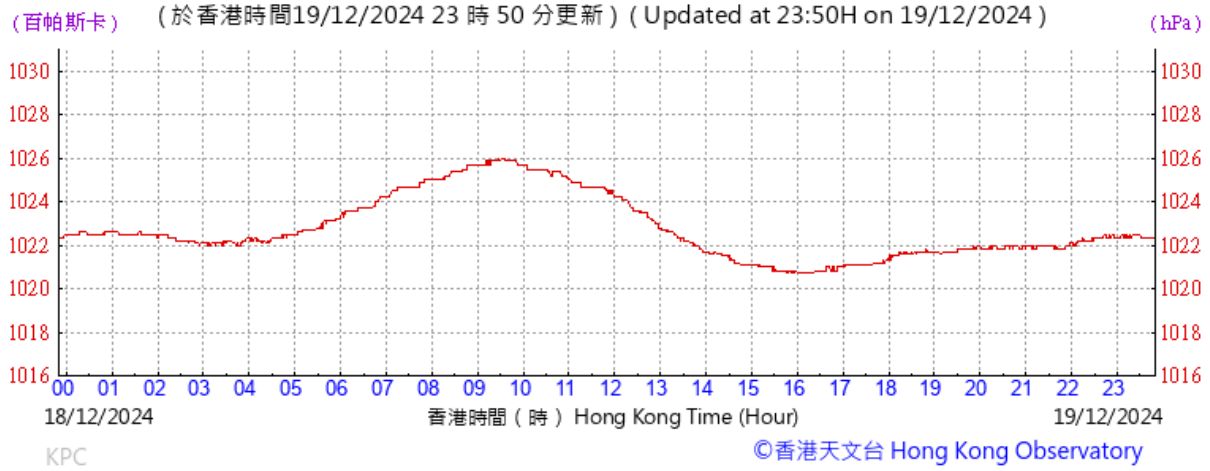

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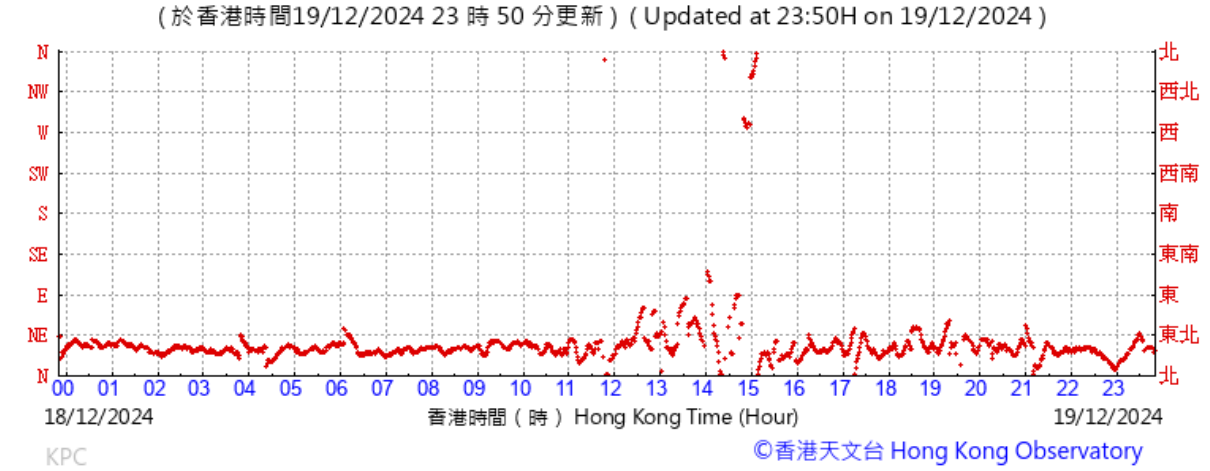

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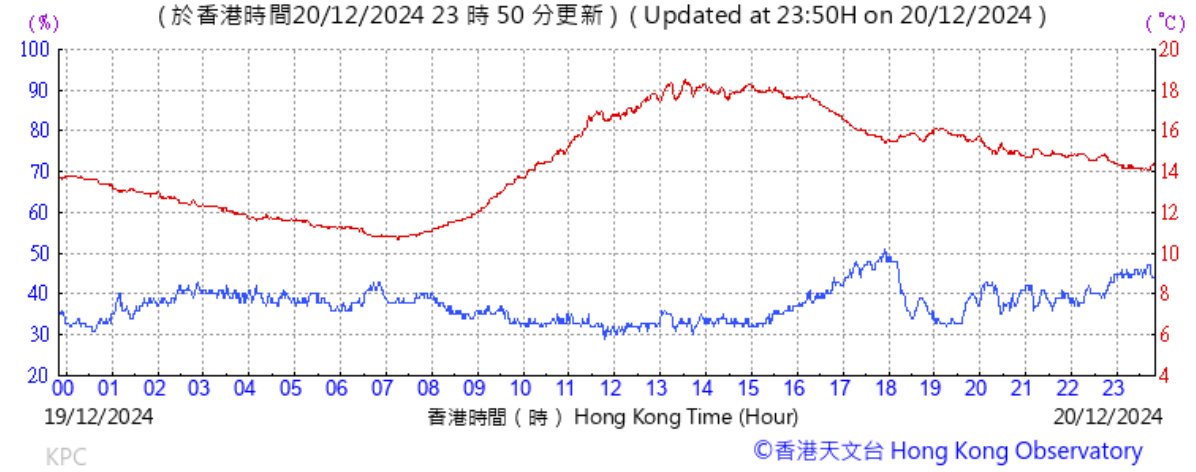

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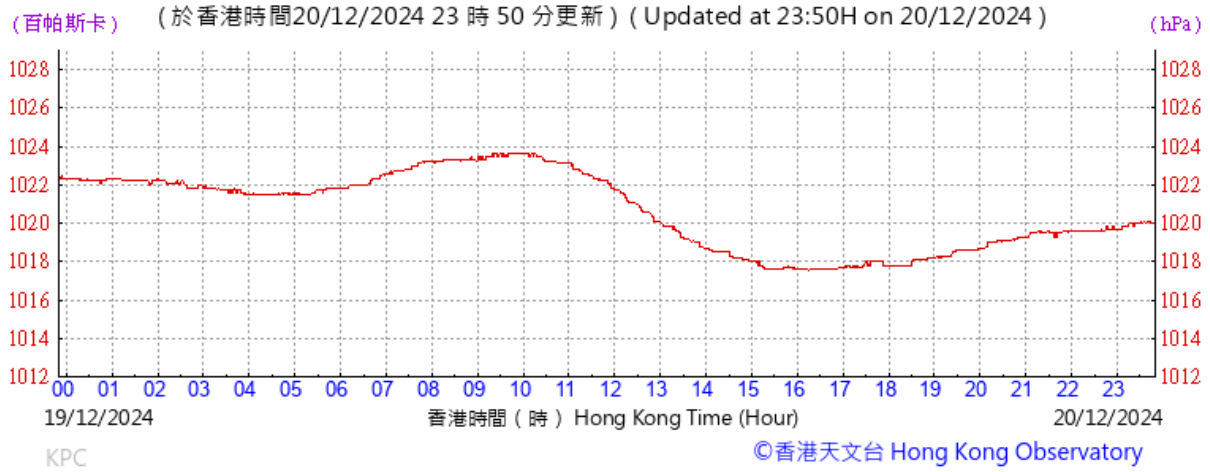

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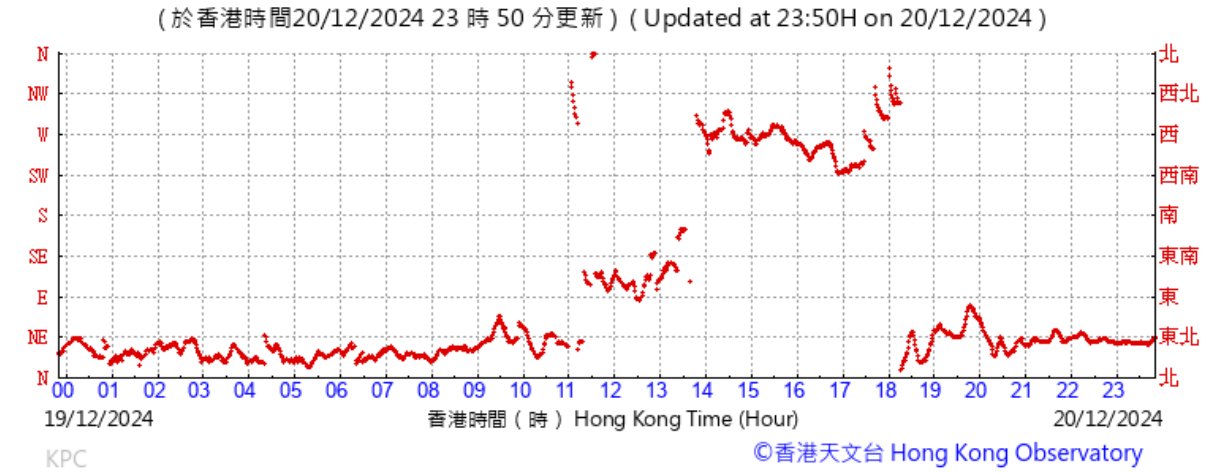

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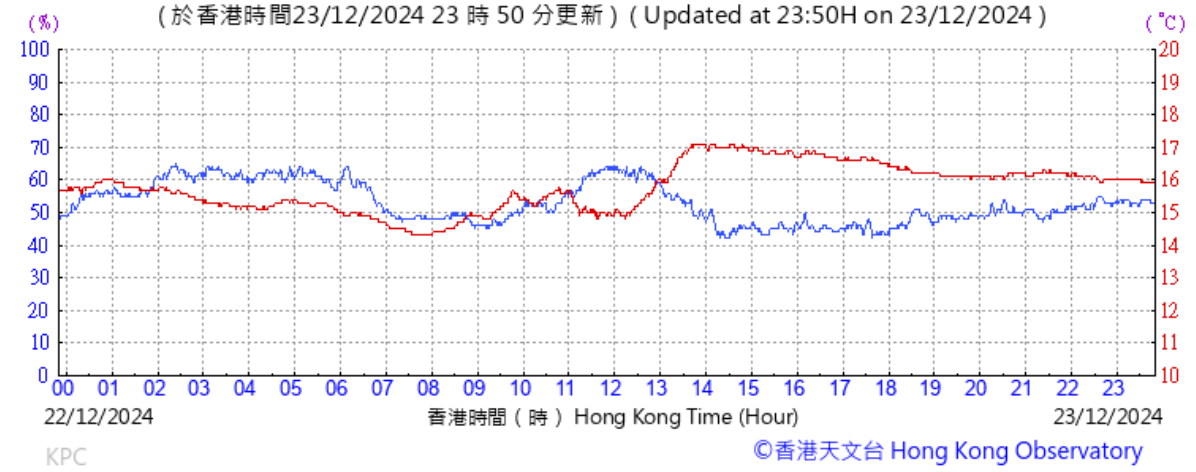

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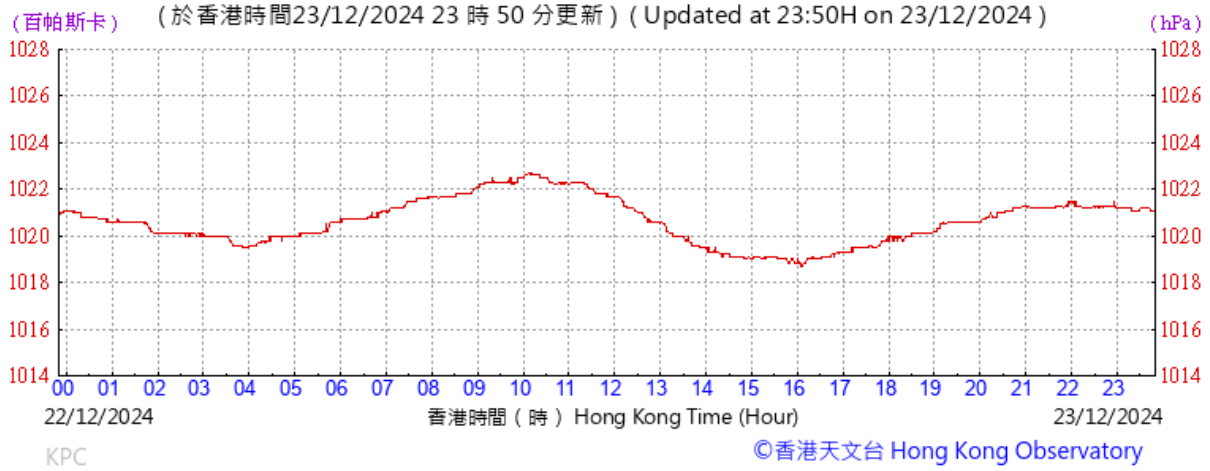

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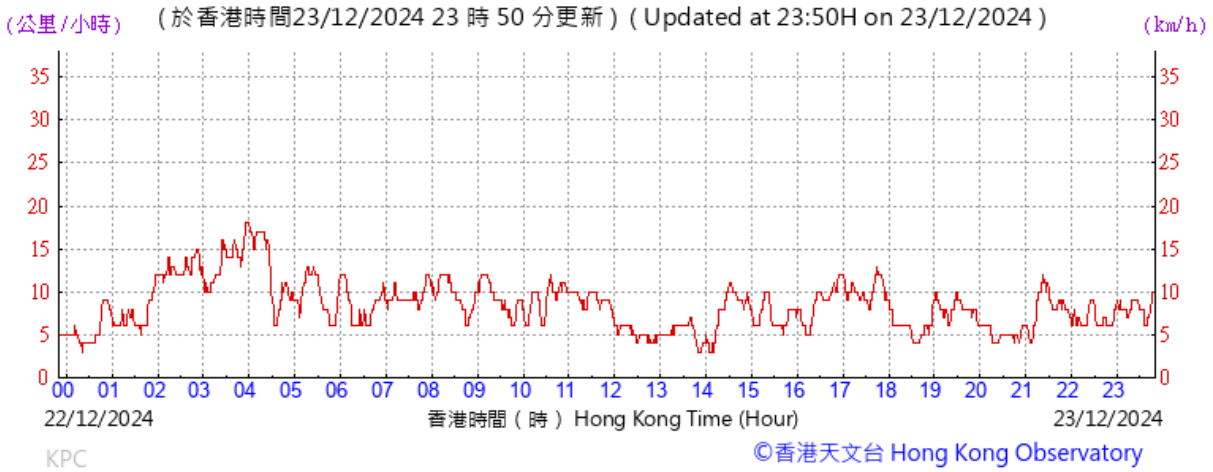

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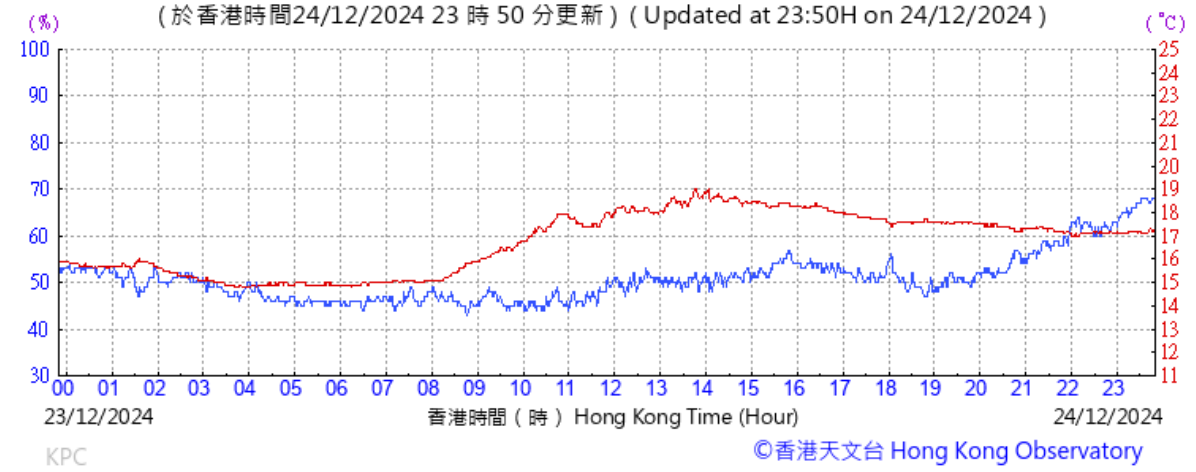

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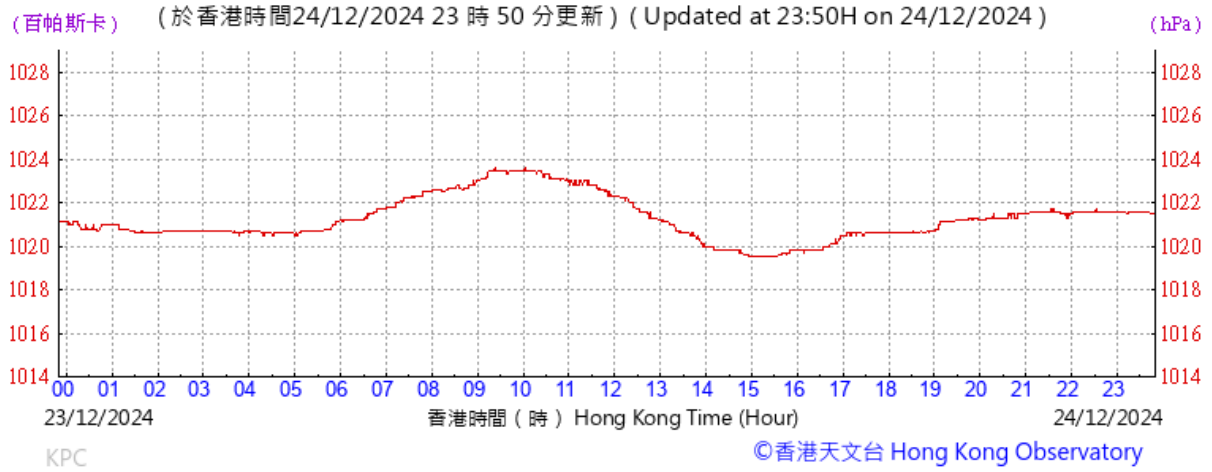

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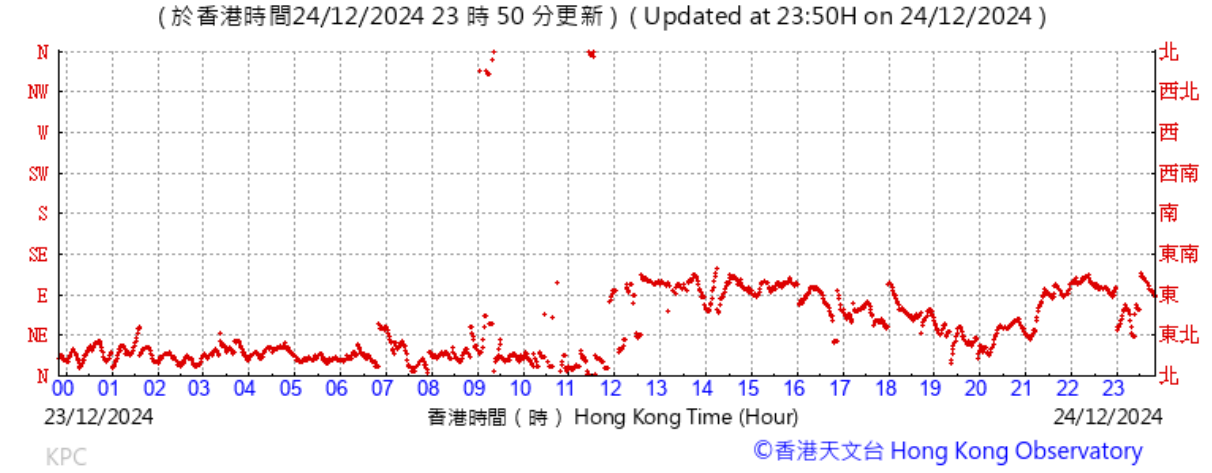

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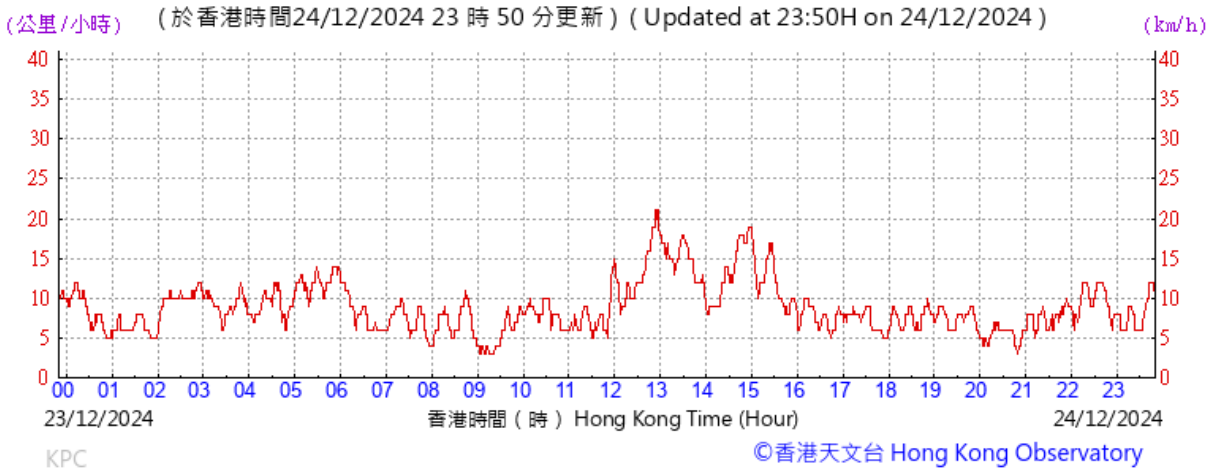

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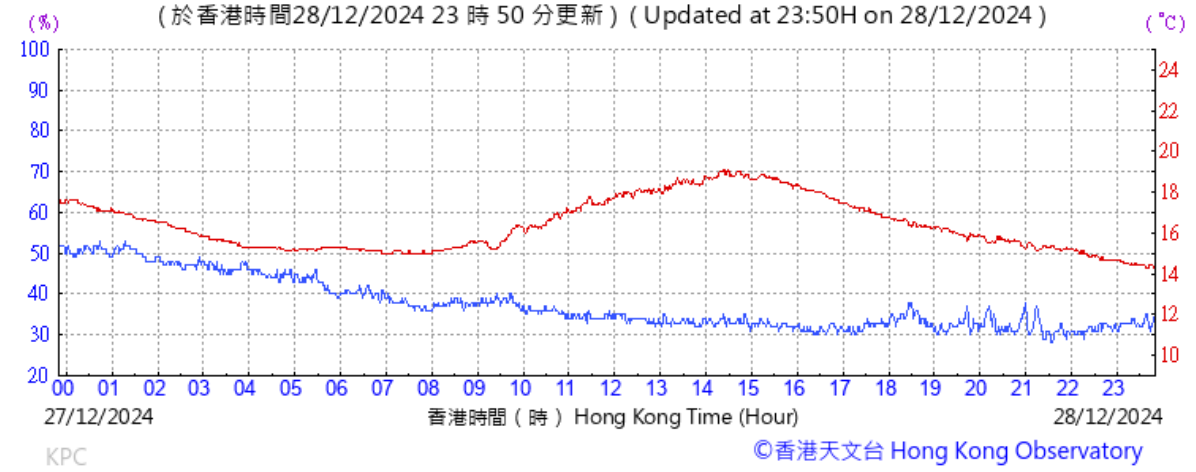

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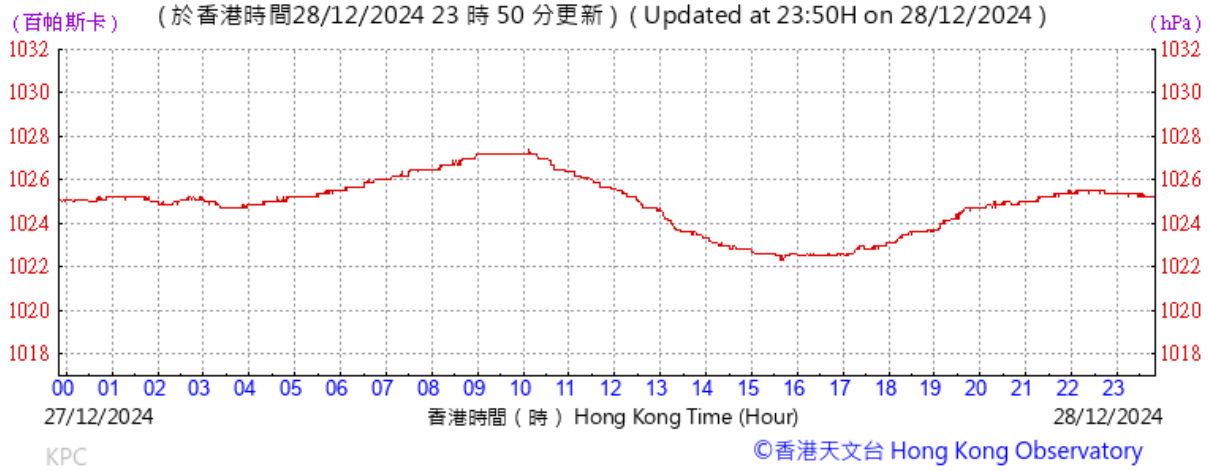

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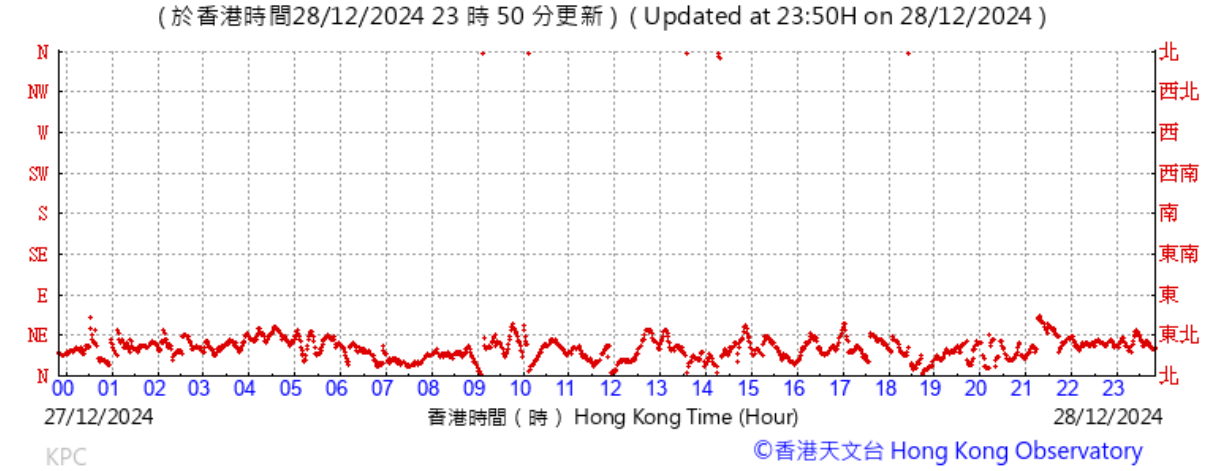

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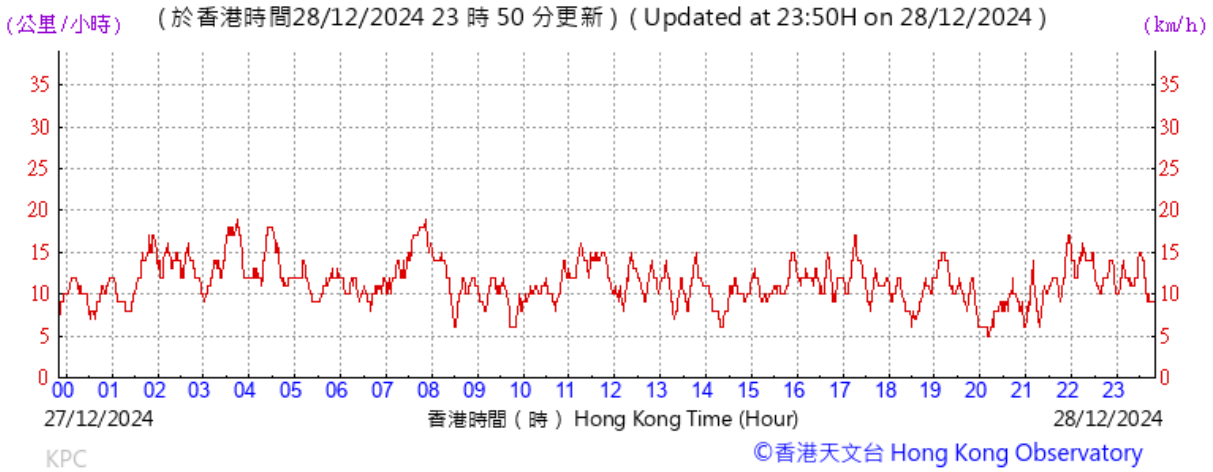

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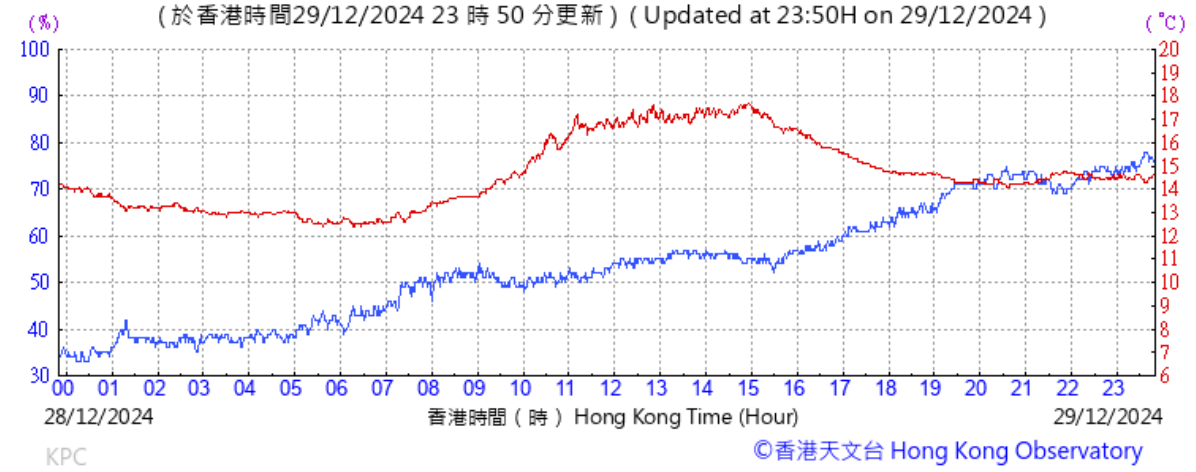

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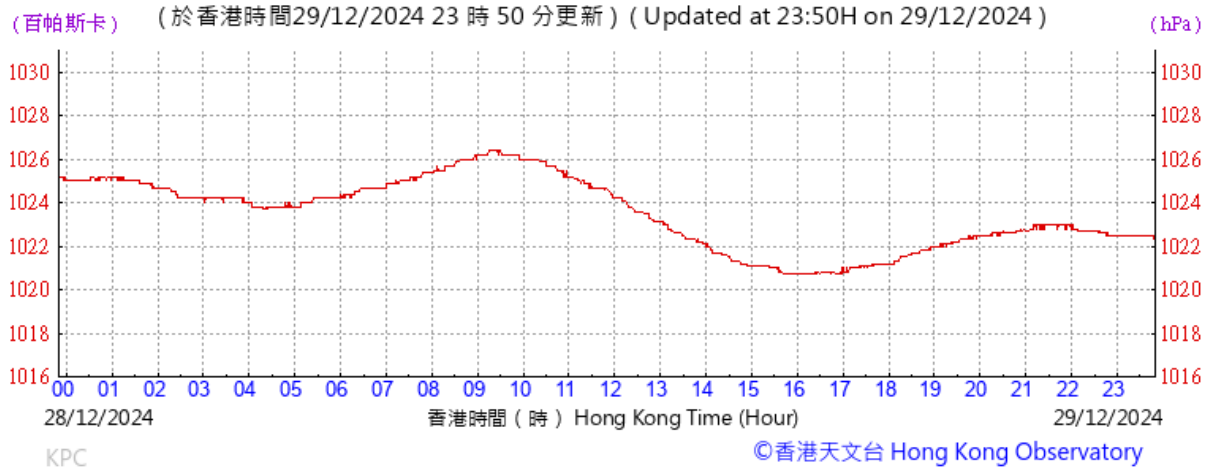

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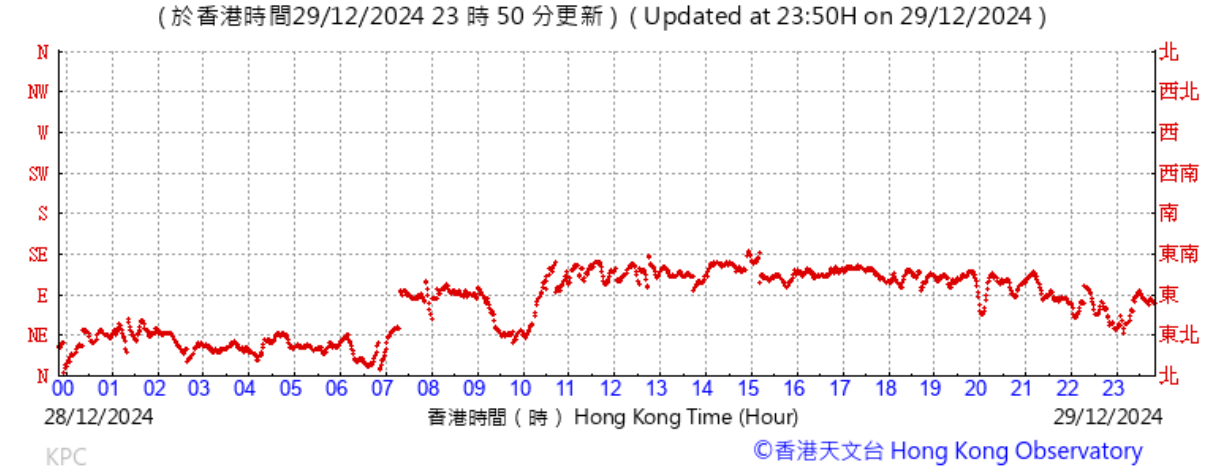

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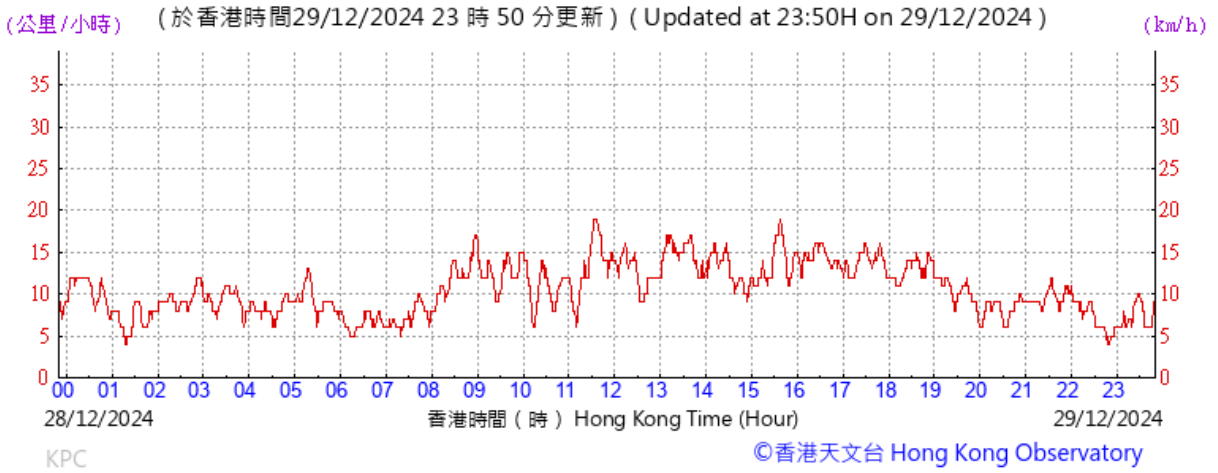

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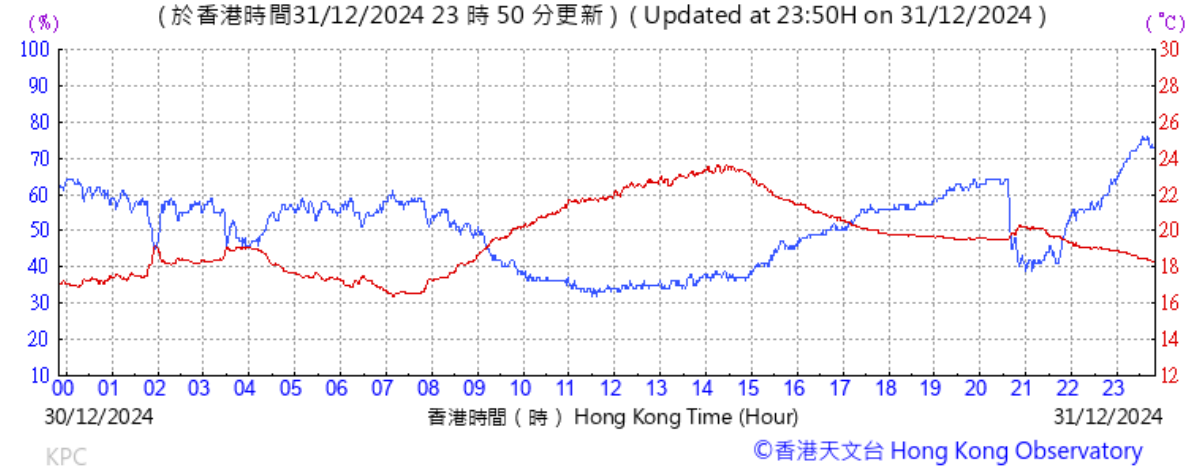

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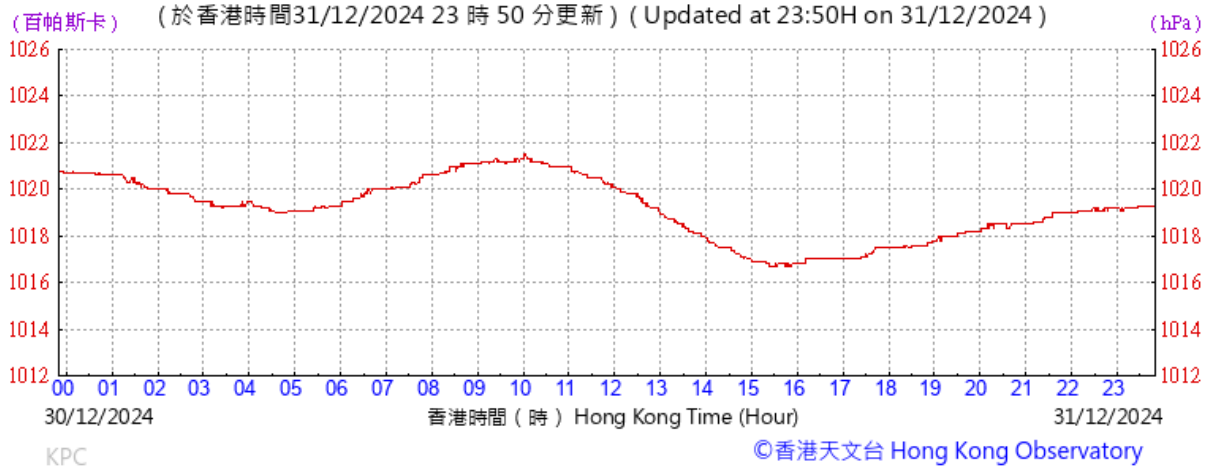

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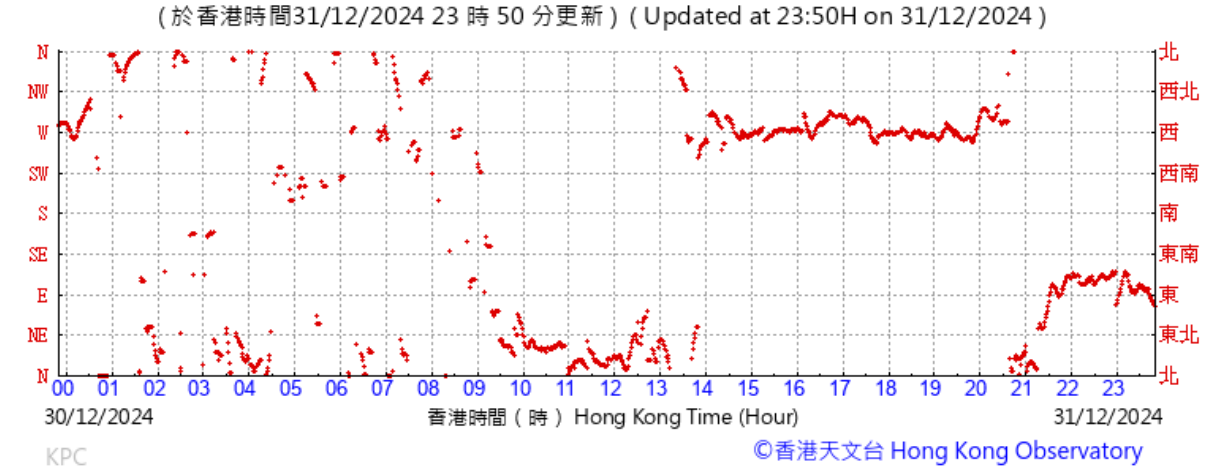

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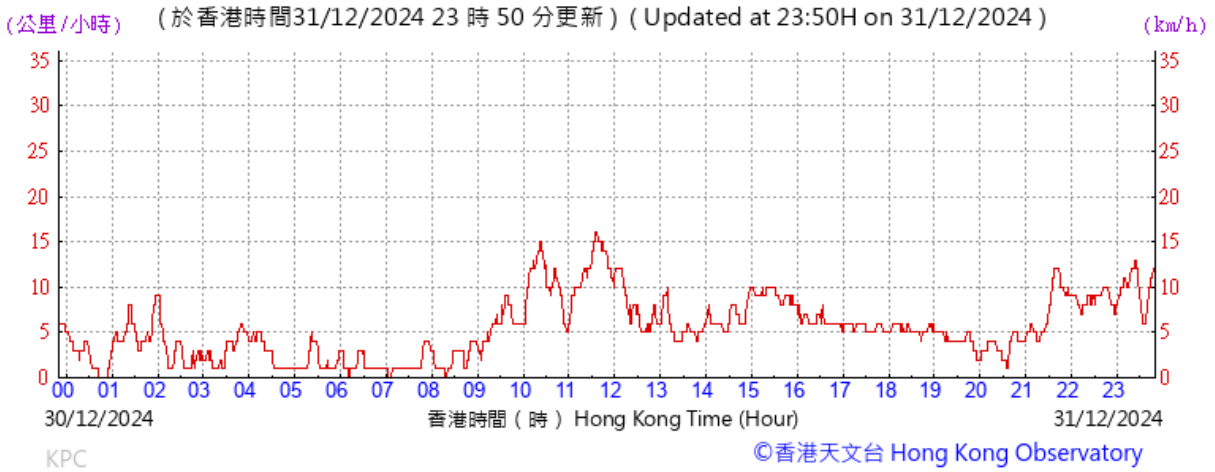

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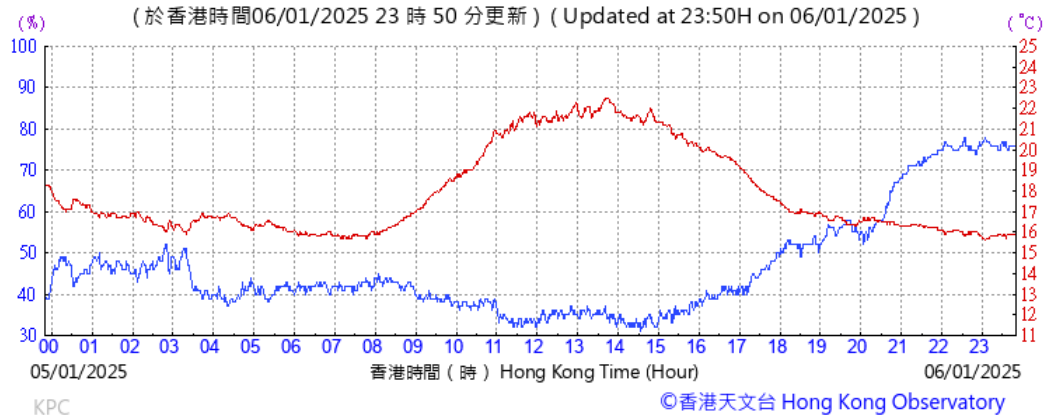

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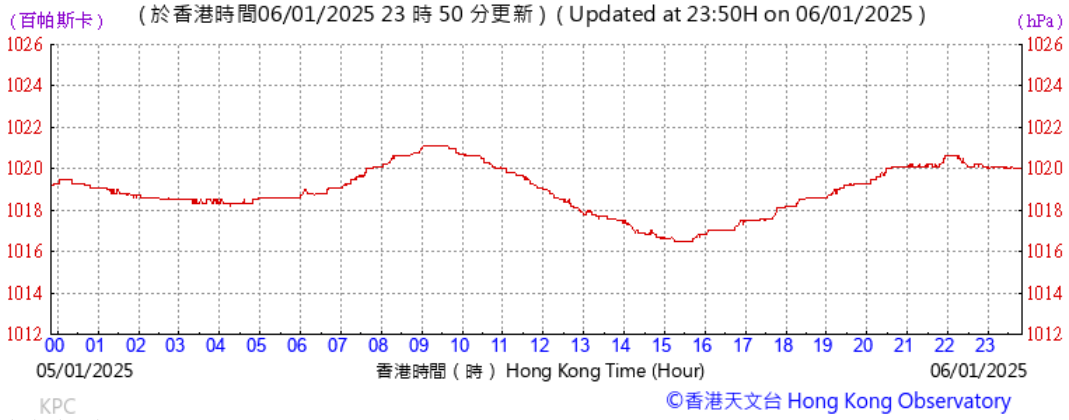

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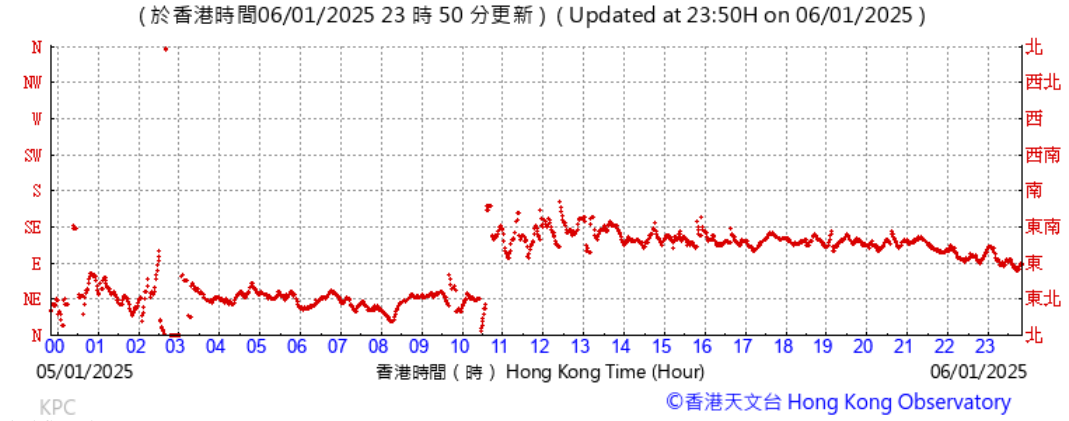

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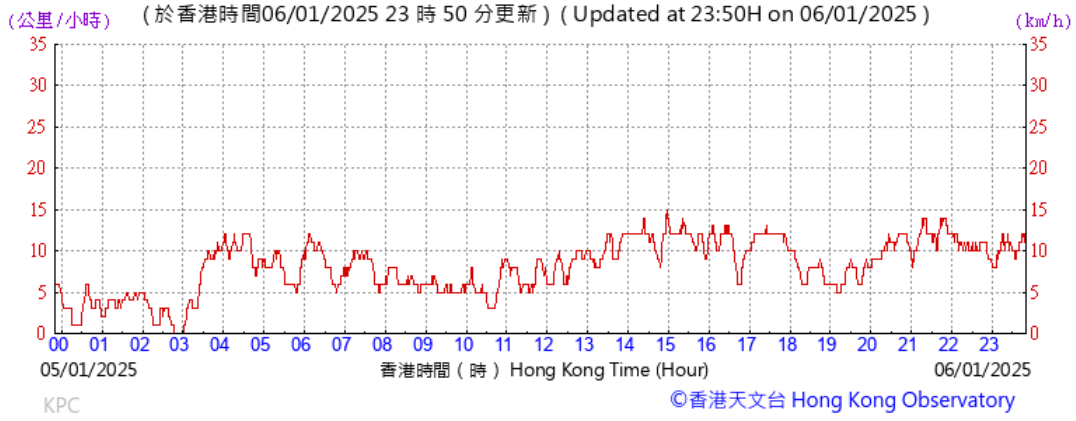

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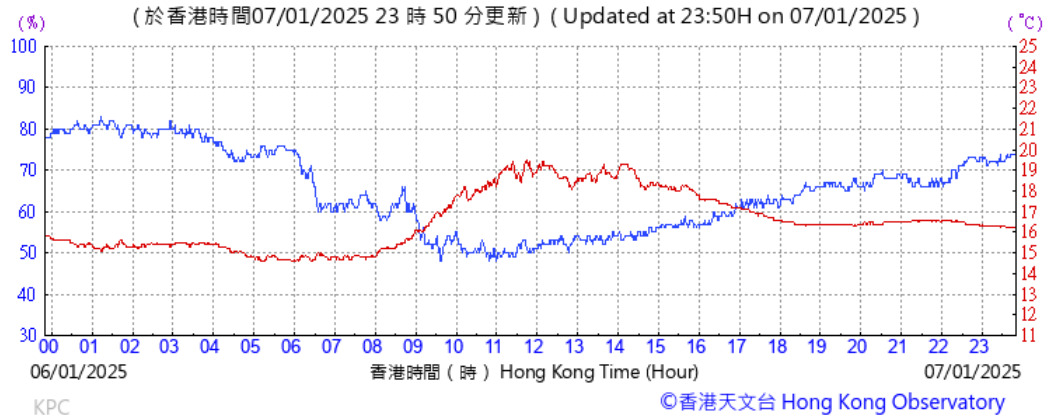

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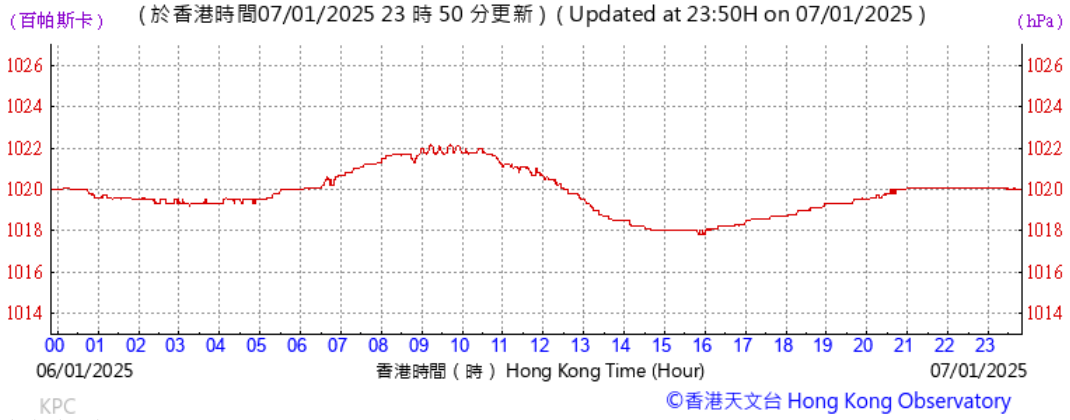

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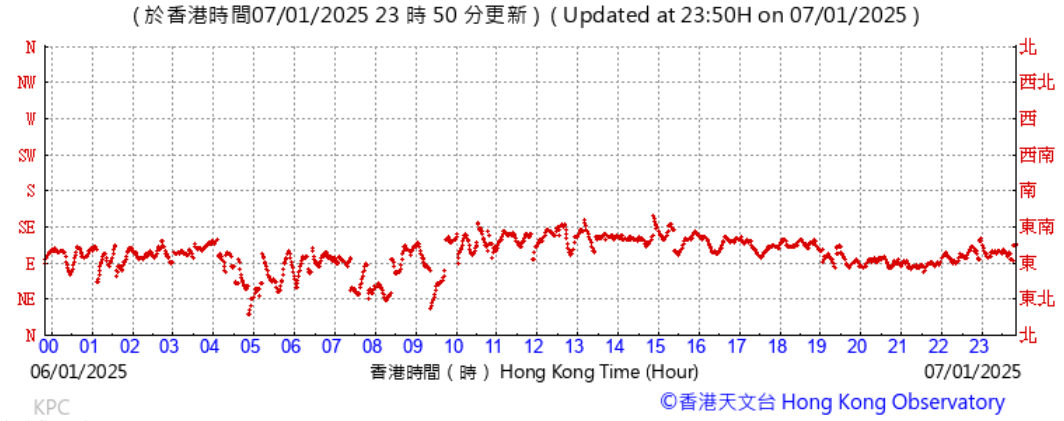

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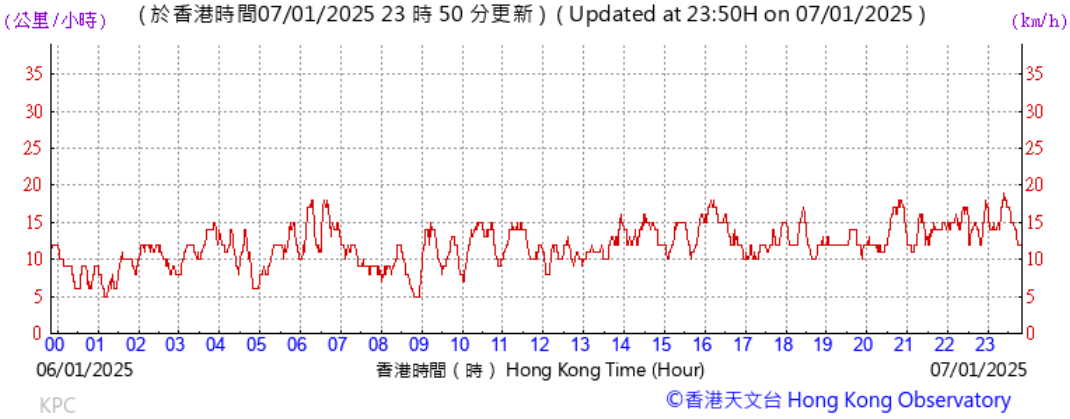

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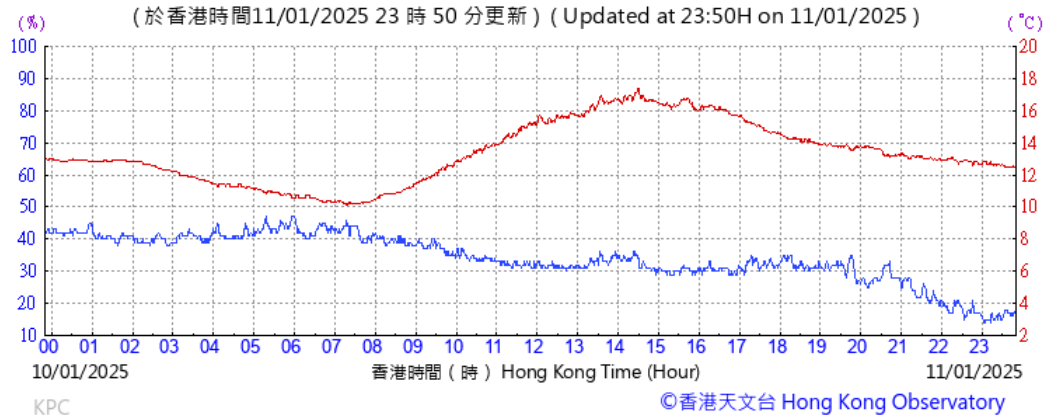

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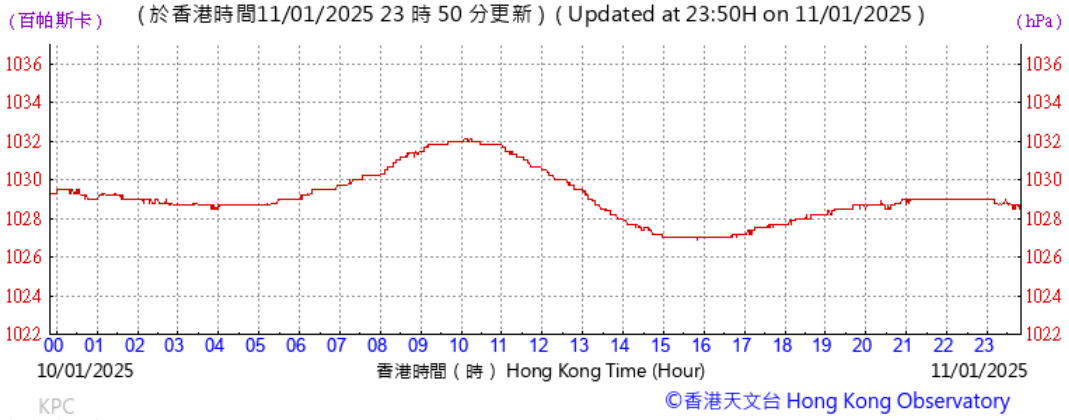

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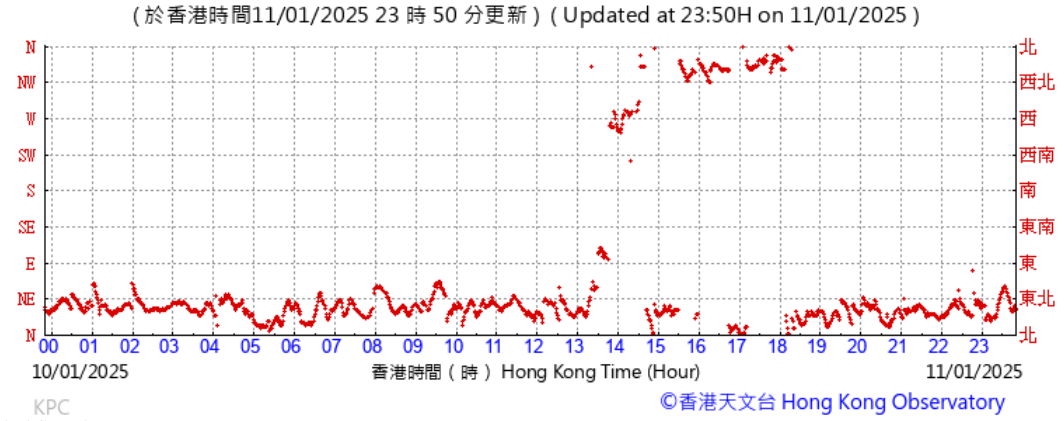

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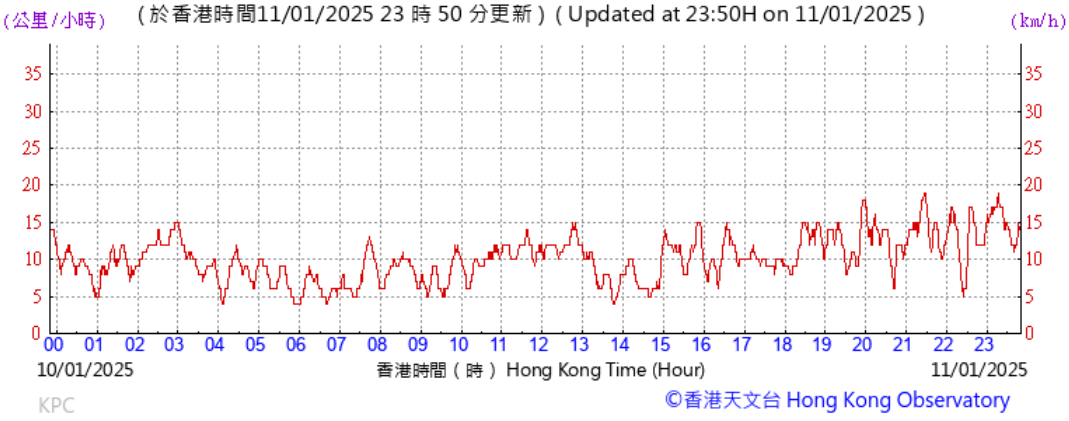

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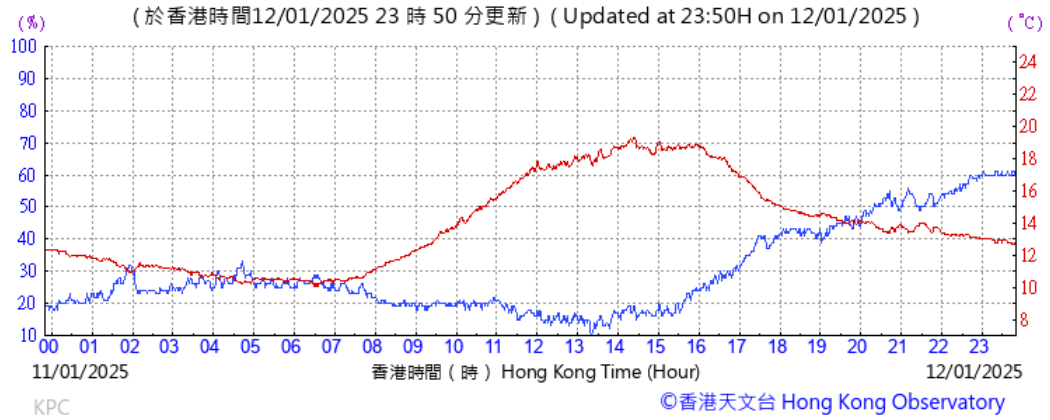

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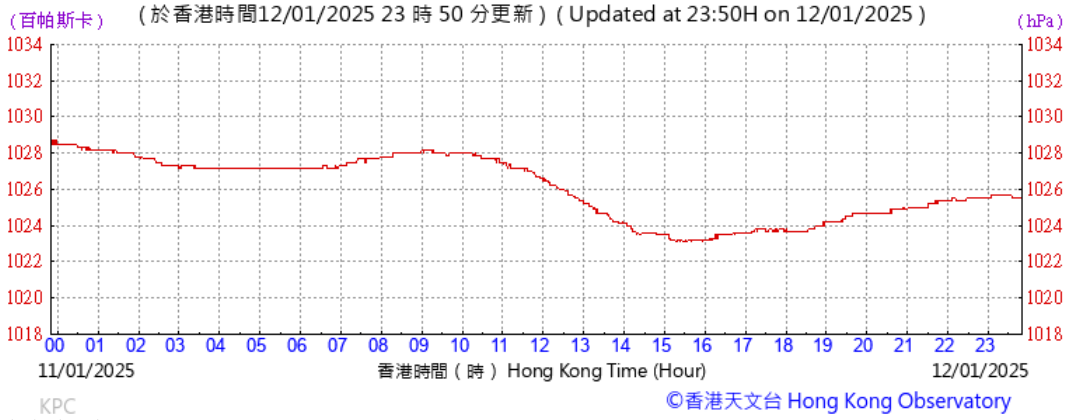

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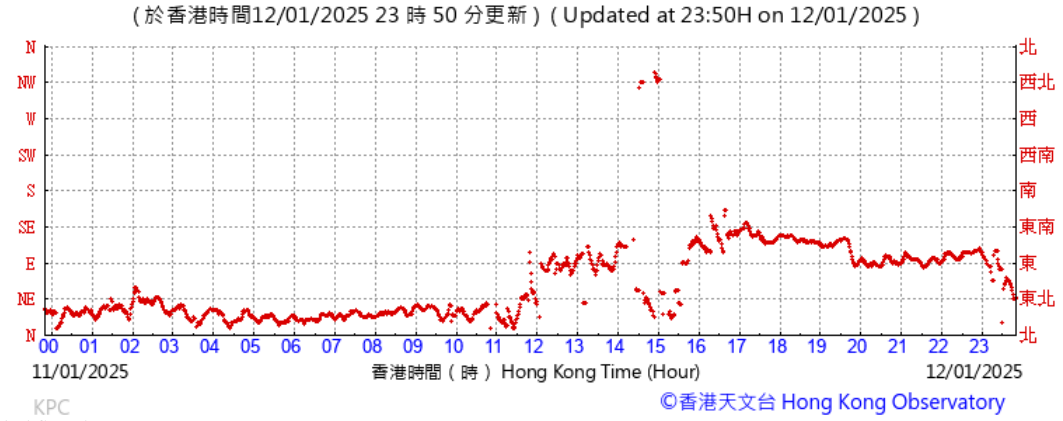

Wind Speed:

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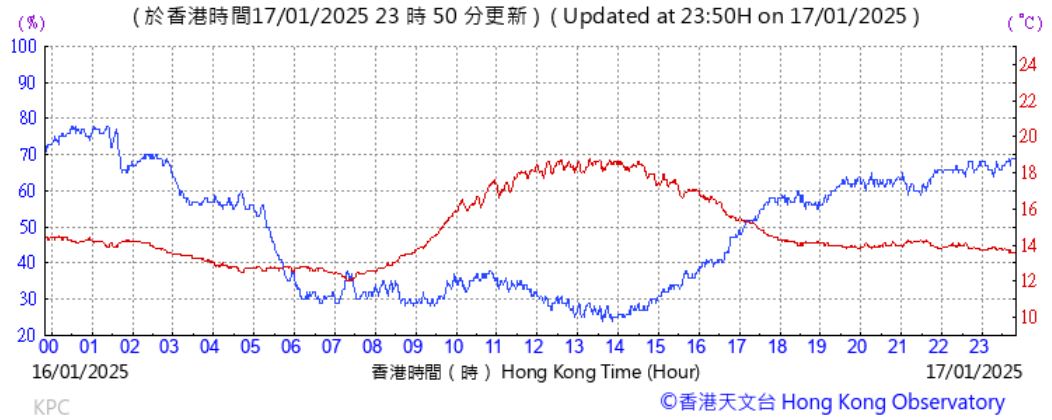

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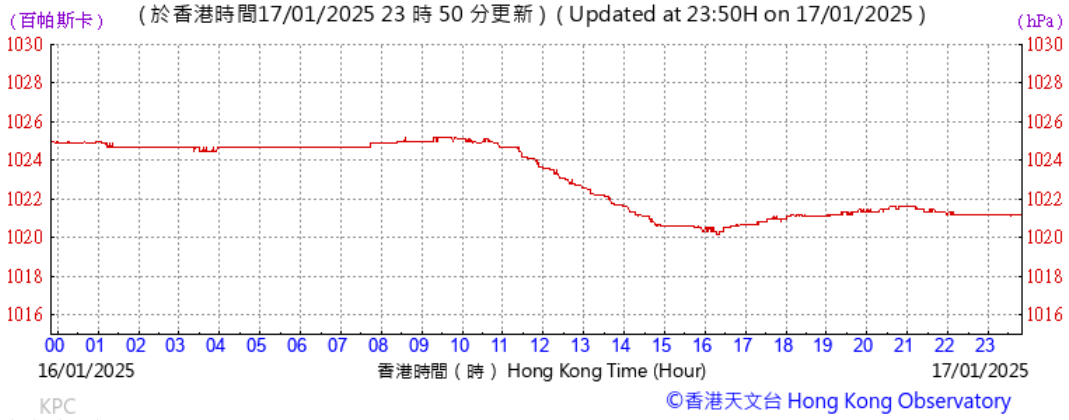

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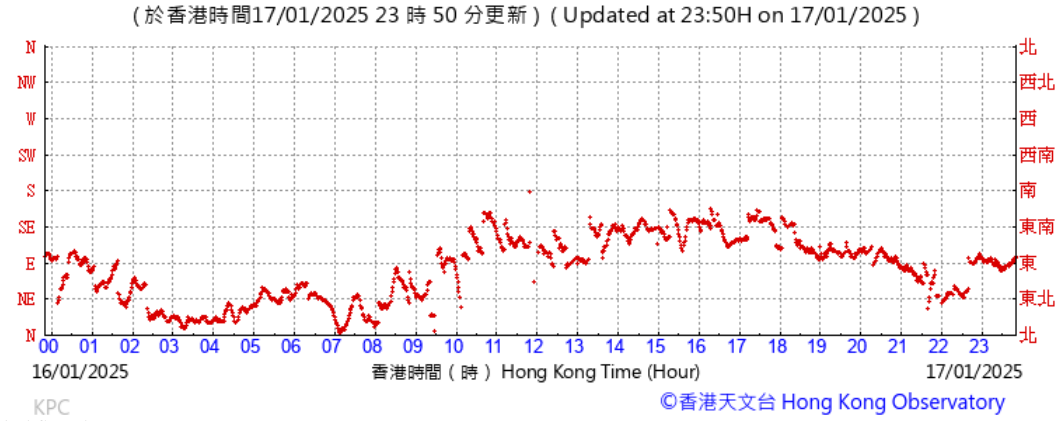

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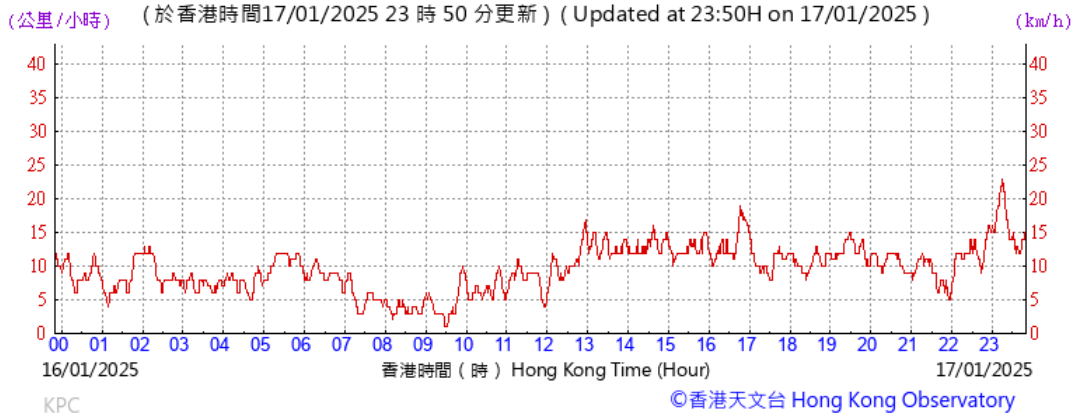

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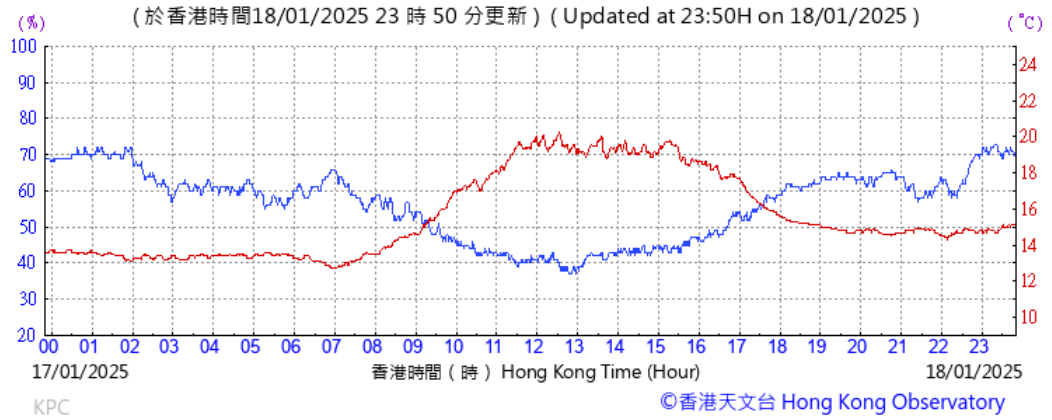

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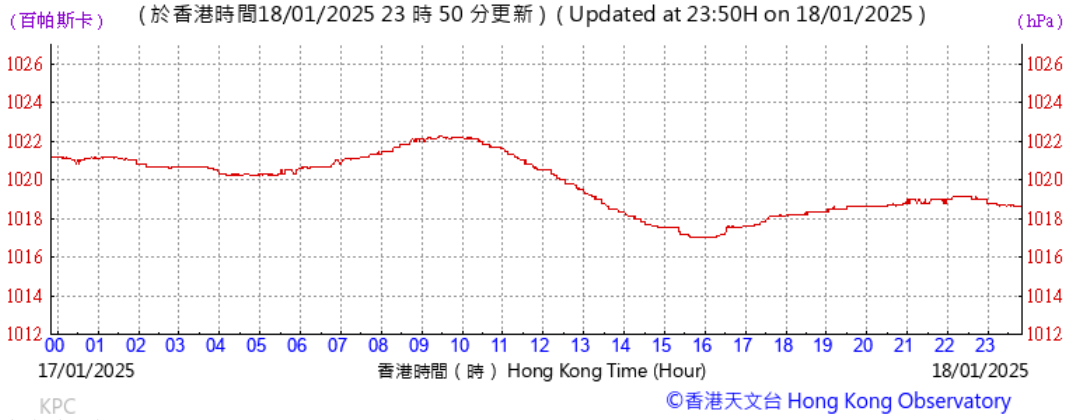

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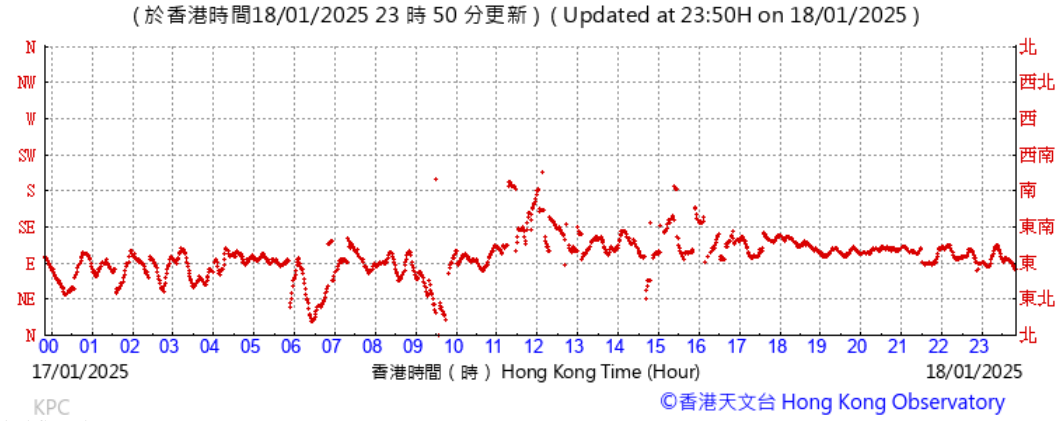

Wind Speed:

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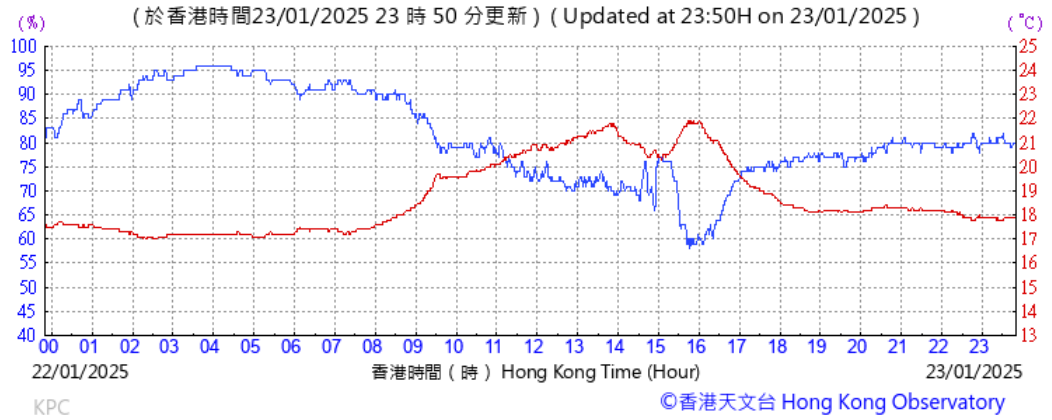

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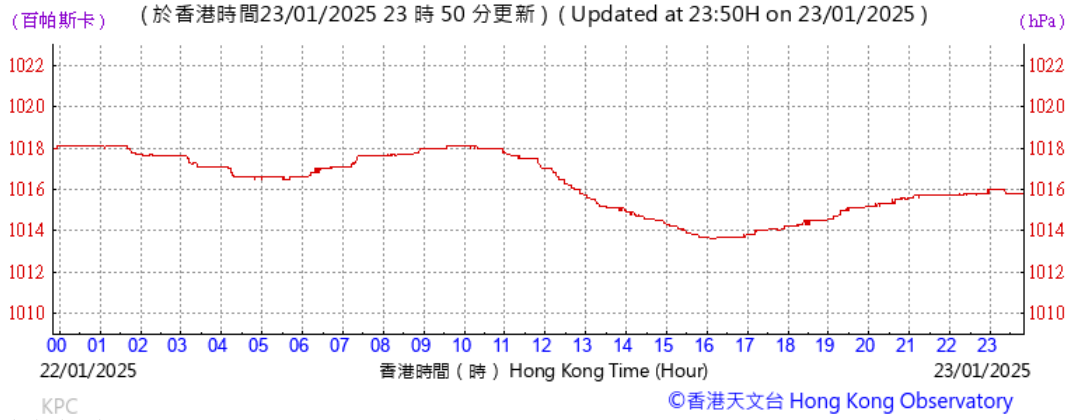

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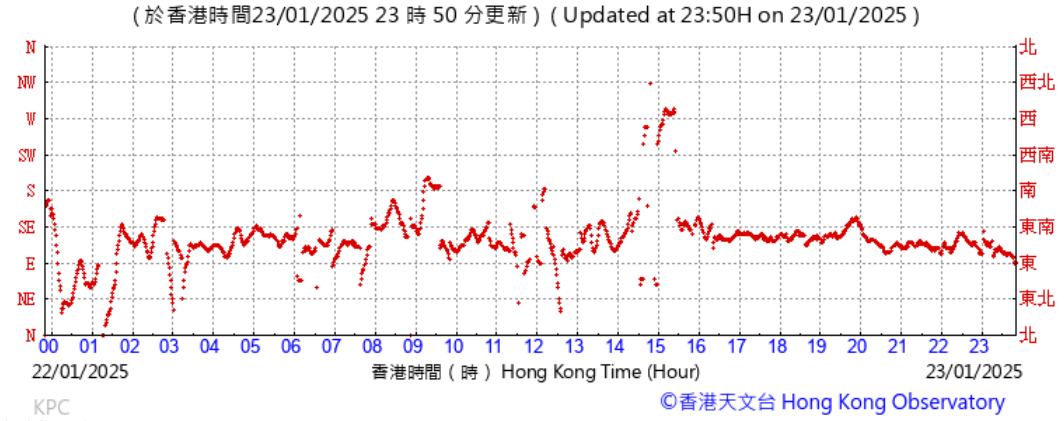

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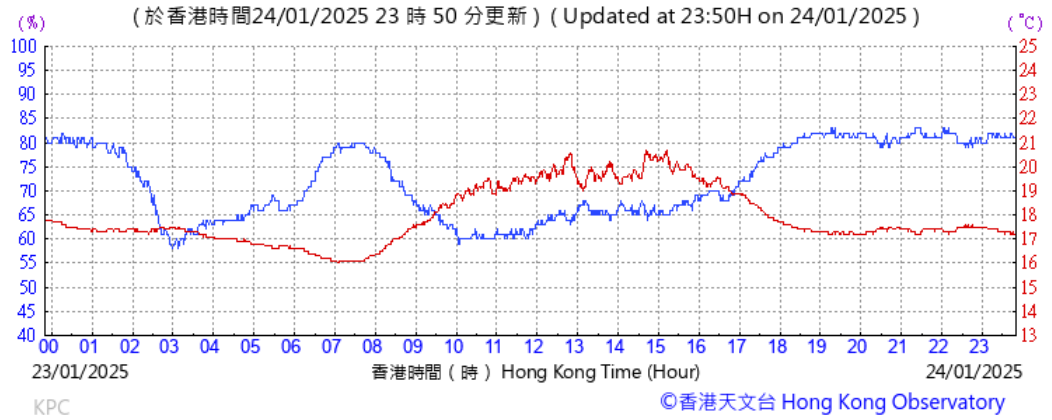

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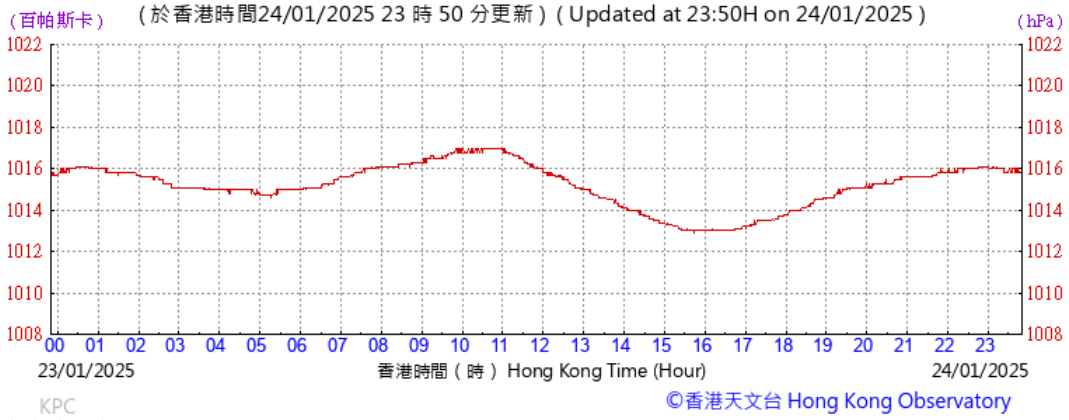

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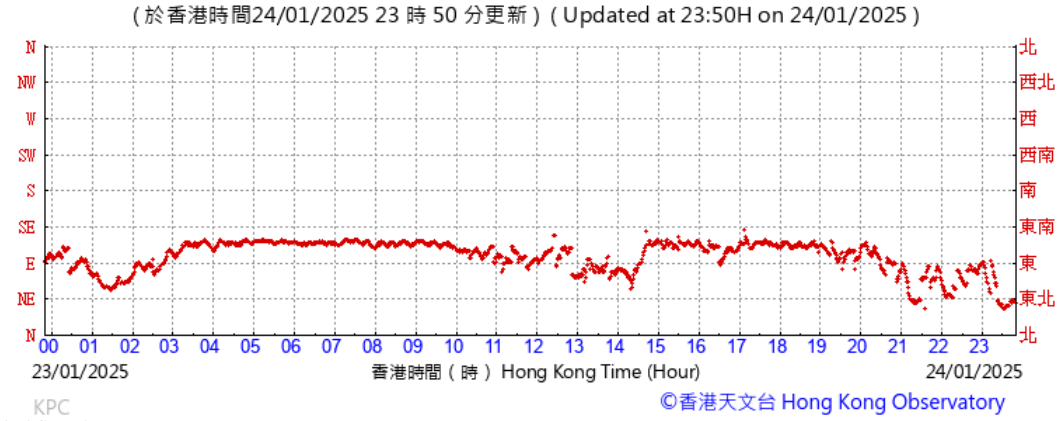

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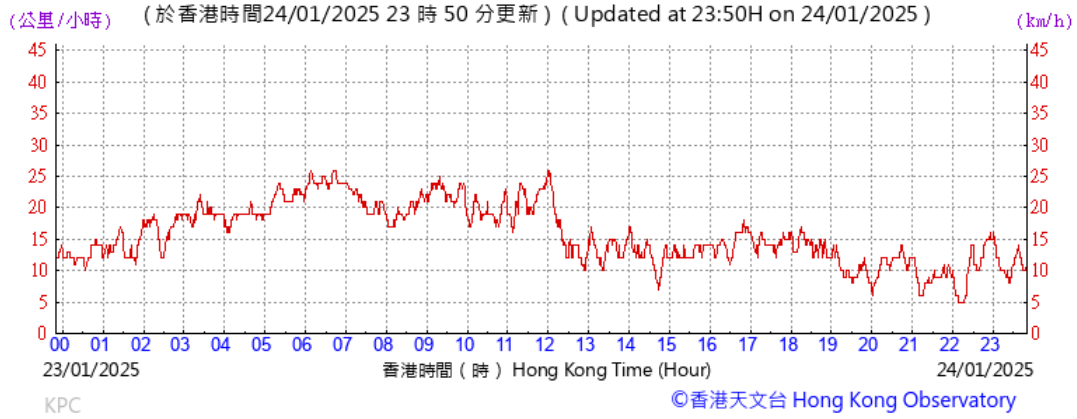

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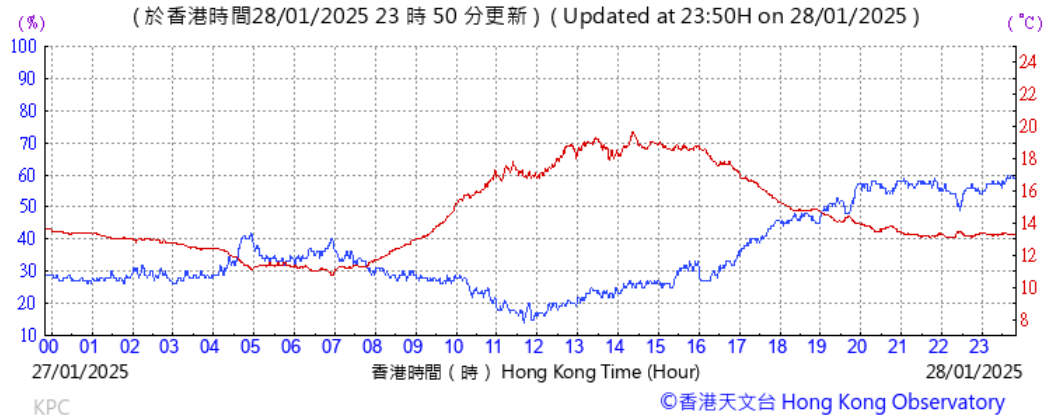

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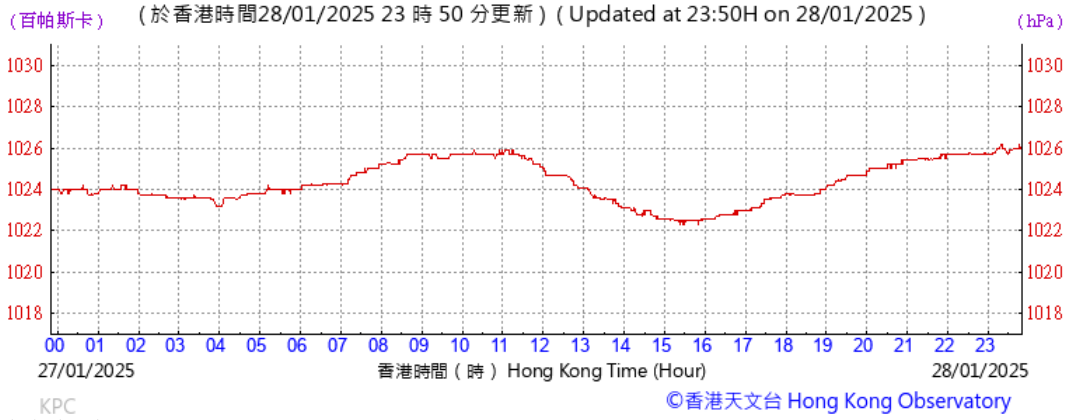

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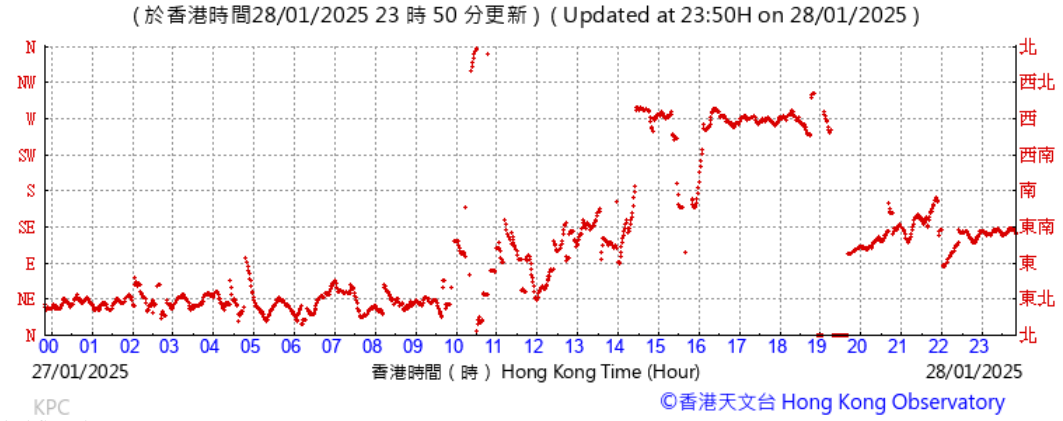
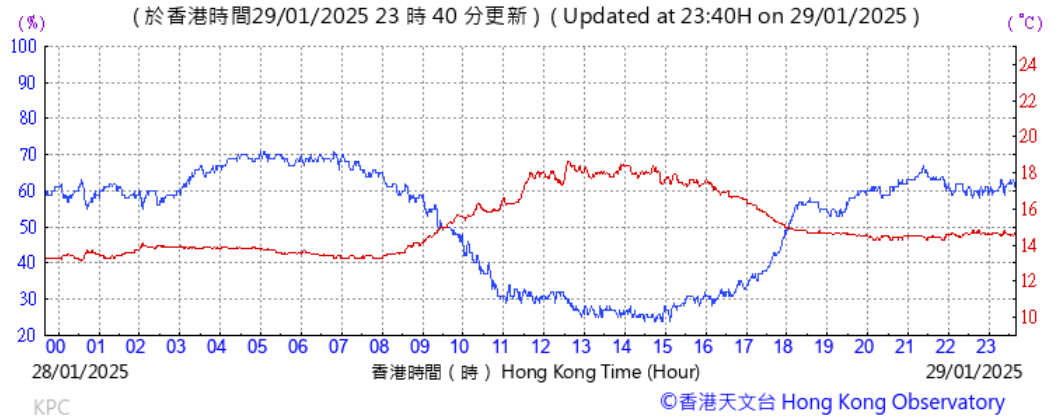


Wind Speed:

Tempearture/Humidity:



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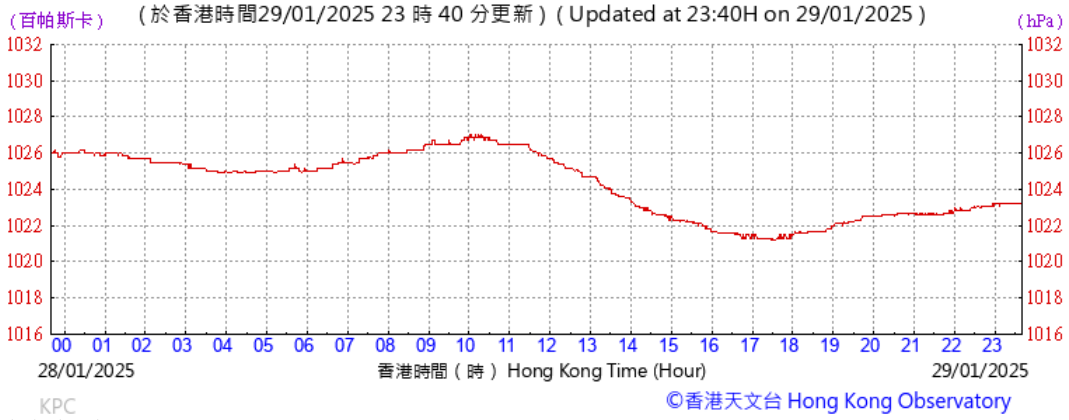

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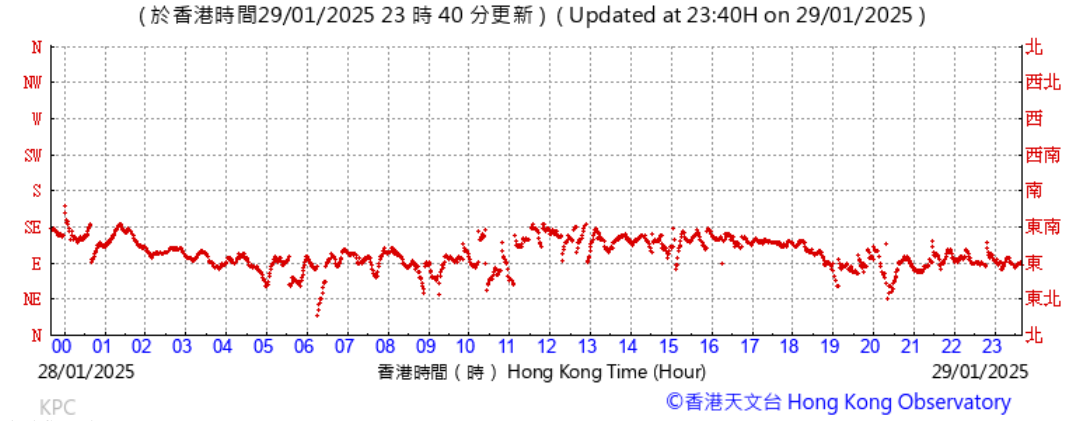


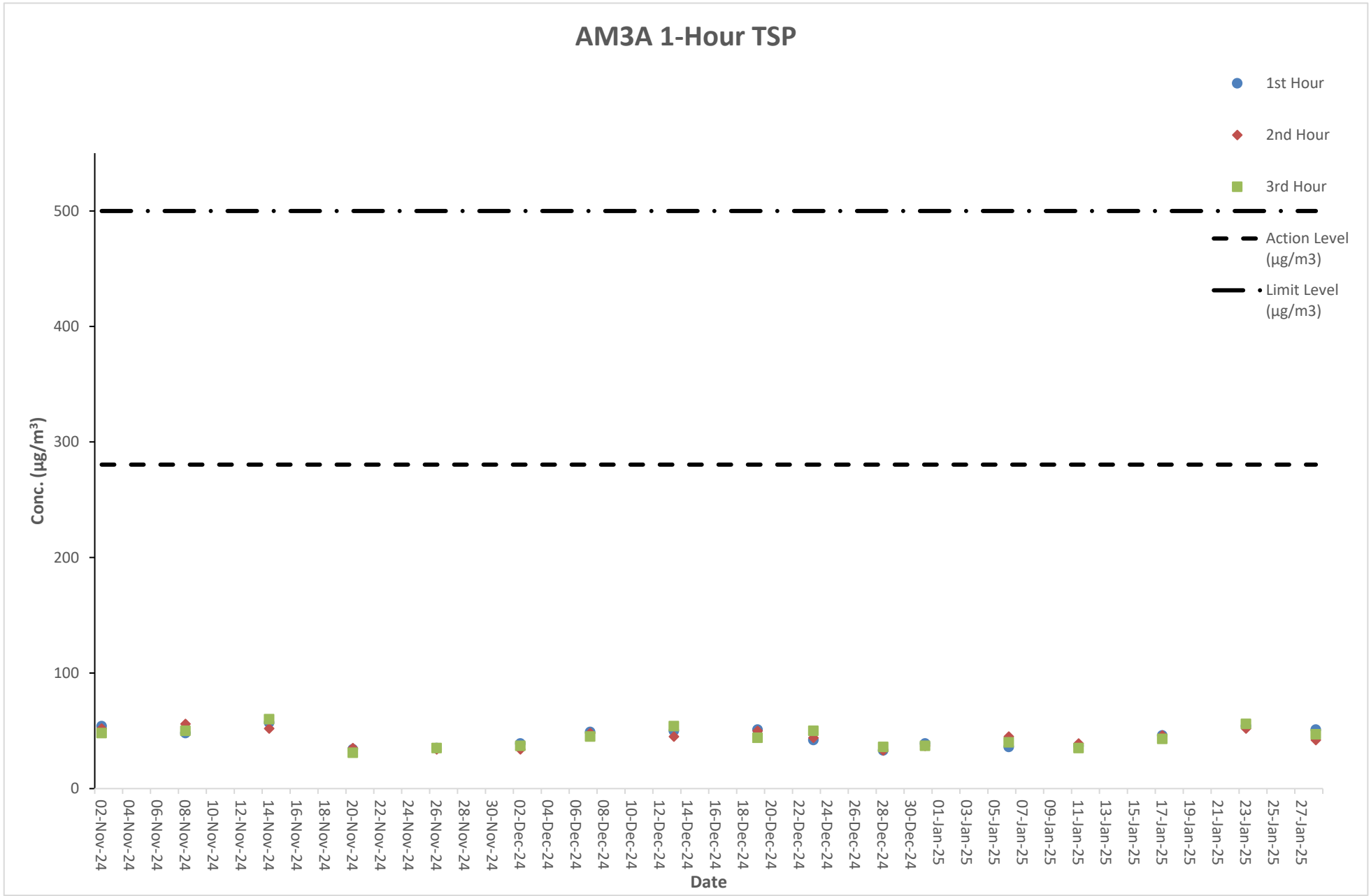
Wind Speed:

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		
02-Nov-24	Fine	08:00 - 11:00	54	52	48	280.4	500
08-Nov-24	Fine	14:05 - 17:05	48	56	50	280.4	500
14-Nov-24	Cloudy	08:03 - 11:03	57	52	60	280.4	500
20-Nov-24	Cloudy	14:07 - 17:07	34	35	31	280.4	500
26-Nov-24	Cloudy	08:02 - 11:02	35	34	35	280.4	500
02-Dec-24	Fine	14:09 - 17:09	39	34	37	280.4	500
07-Dec-24	Cloudy	08:02 - 11:02	49	48	45	280.4	500
13-Dec-24	Cloudy	14:07 - 17:07	50	45	54	280.4	500
19-Dec-24	Cloudy	08:05 - 11:05	51	50	44	280.4	500
23-Dec-24	Cloudy	14:01 - 17:01	42	44	50	280.4	500
28-Dec-24	Cloudy	08:04 - 11:04	33	33	36	280.4	500
31-Dec-24	Fine	14:08 - 17:08	39	37	37	280.4	500
06-Jan-25	Fine	08:00 - 11:00	36	45	40	280.4	500
11-Jan-25	Cloudy	14:07 - 17:07	37	39	35	280.4	500
17-Jan-25	Cloudy	08:03 - 11:03	46	46	43	280.4	500
23-Jan-25	Cloudy	14:05 - 17:05	54	52	56	280.4	500
28-Jan-25	Cloudy	08:08 - 11:08	51	42	47	280.4	500

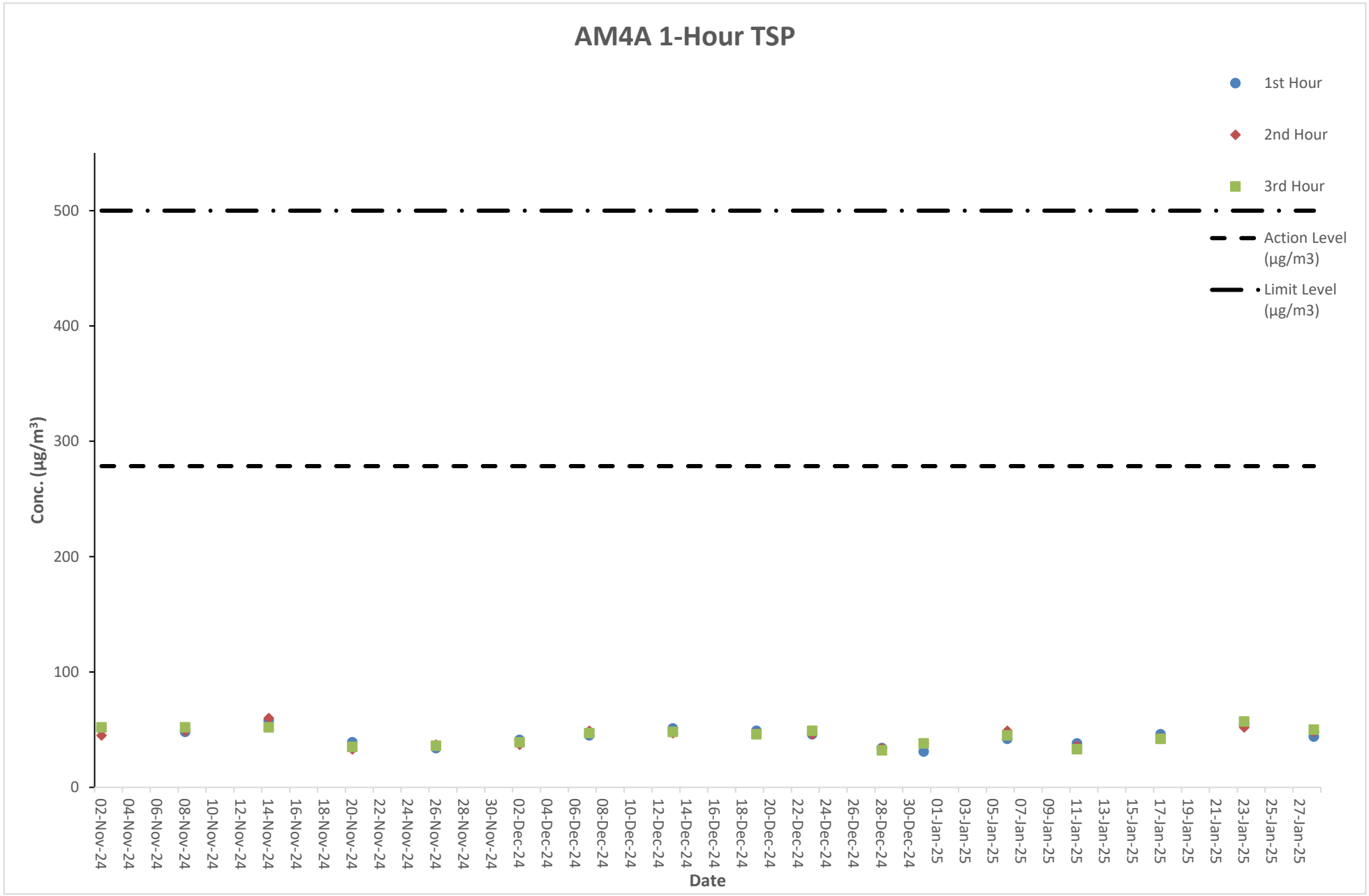
Graphical Presentation of Air Quality Monitoring Result at Station AM3A (1-hour TSP)



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		
02-Nov-24	Fine	08:08 - 11:08	51	45	52	278.5	500
08-Nov-24	Fine	14:13 - 17:13	48	49	52	278.5	500
14-Nov-24	Cloudy	08:11 - 11:11	58	60	52	278.5	500
20-Nov-24	Cloudy	14:15 - 17:15	39	33	35	278.5	500
26-Nov-24	Cloudy	08:10 - 11:10	34	37	36	278.5	500
02-Dec-24	Fine	14:17 - 17:17	41	37	39	278.5	500
07-Dec-24	Cloudy	08:10 - 11:10	45	49	47	278.5	500
13-Dec-24	Cloudy	14:15 - 17:15	51	47	48	278.5	500
19-Dec-24	Cloudy	08:13 - 11:13	49	47	46	278.5	500
23-Dec-24	Cloudy	14:09 - 17:09	46	46	49	278.5	500
28-Dec-24	Cloudy	08:12 - 11:12	34	34	32	278.5	500
31-Dec-24	Fine	14:16 - 17:16	31	38	38	278.5	500
06-Jan-25	Fine	08:08 - 11:08	42	49	45	278.5	500
11-Jan-25	Cloudy	14:15 - 17:15	38	36	33	278.5	500
17-Jan-25	Cloudy	08:11 - 11:11	46	43	42	278.5	500
23-Jan-25	Cloudy	14:13 - 17:13	54	52	57	278.5	500
28-Jan-25	Cloudy	08:16 - 11:16	44	48	50	278.5	500

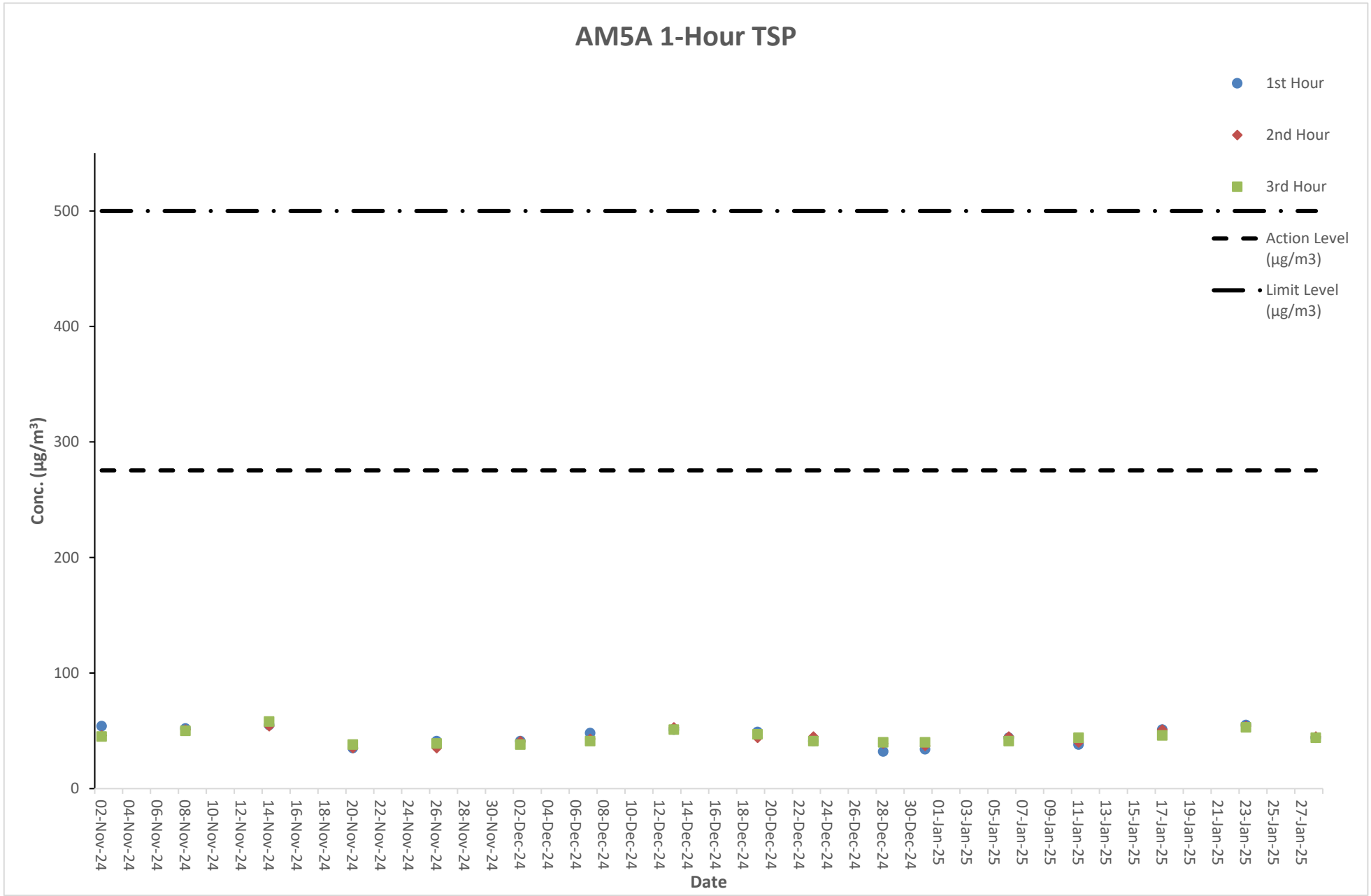
Graphical Presentation of Air Quality Monitoring Result at Station AM4A (1-hour TSP)



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		
02-Nov-24	Fine	08:23 - 11:23	54	46	45	275.4	500
08-Nov-24	Fine	14:30 - 17:30	52	51	50	275.4	500
14-Nov-24	Cloudy	08:26 - 11:26	55	54	58	275.4	500
20-Nov-24	Cloudy	14:32 - 17:32	35	35	38	275.4	500
26-Nov-24	Cloudy	08:25 - 11:25	41	35	39	275.4	500
02-Dec-24	Fine	14:32 - 17:32	41	41	38	275.4	500
07-Dec-24	Cloudy	08:27 - 11:27	48	43	41	275.4	500
13-Dec-24	Cloudy	14:30 - 17:30	51	53	51	275.4	500
19-Dec-24	Cloudy	08:30 - 11:30	49	44	47	275.4	500
23-Dec-24	Cloudy	14:24 - 17:24	41	45	41	275.4	500
28-Dec-24	Cloudy	08:29 - 11:29	32	39	40	275.4	500
31-Dec-24	Fine	14:31 - 17:31	34	37	40	275.4	500
06-Jan-25	Fine	08:23 - 11:23	44	45	41	275.4	500
11-Jan-25	Cloudy	14:32 - 17:32	38	40	44	275.4	500
17-Jan-25	Cloudy	08:26 - 11:26	51	51	46	275.4	500
23-Jan-25	Cloudy	14:30 - 17:30	55	54	53	275.4	500
28-Jan-25	Cloudy	08:31 - 11:31	44	45	44	275.4	500

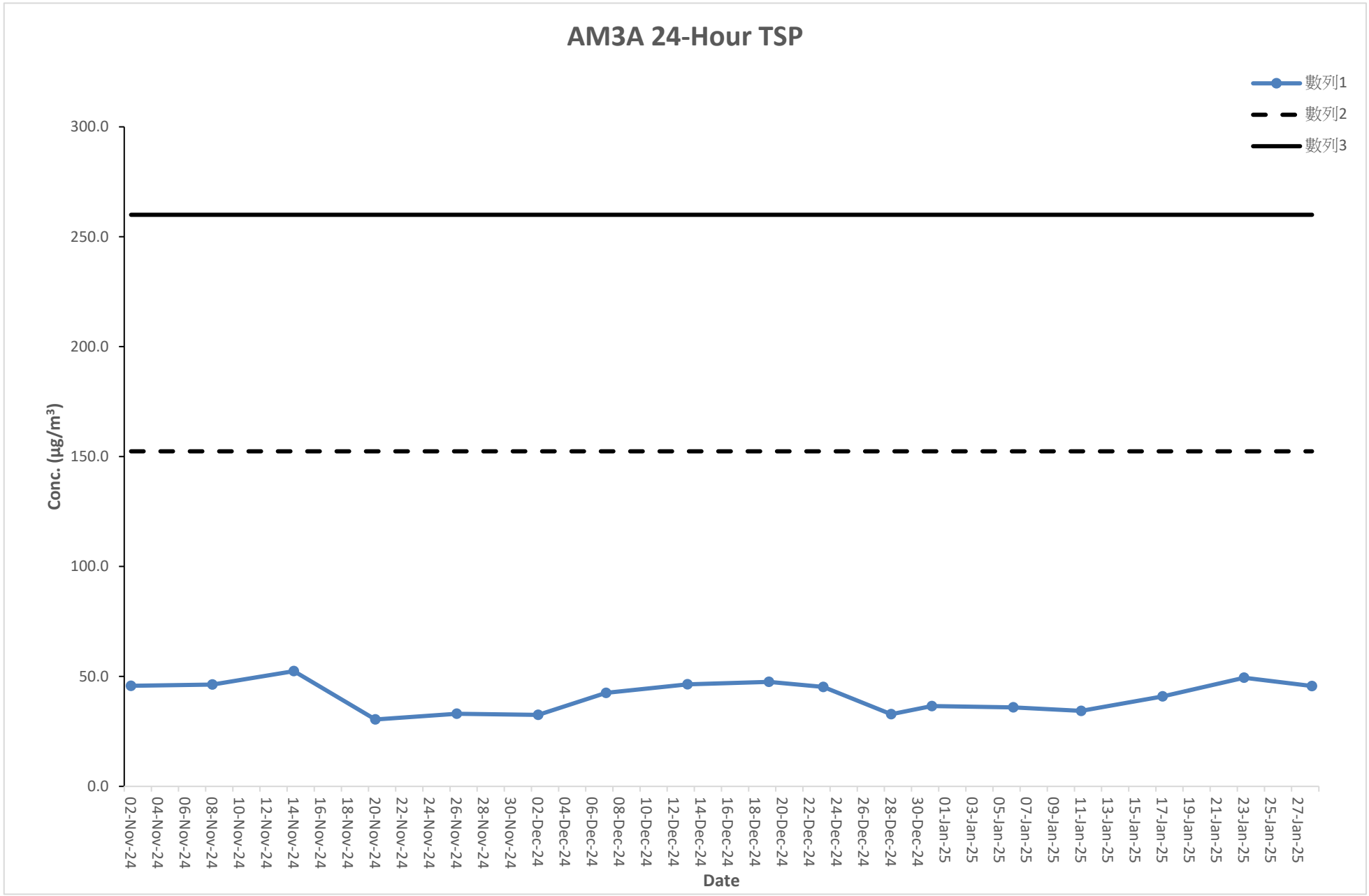
Graphical Presentation of Air Quality Monitoring Result at Station AM5A (1-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling	Flow Rate (m^3/min)			Conc.	Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	($\mu g/m^3$)	Condition	Level	Level
02-Nov-24	10:00AM	03-Nov-24	10:00AM	2.8054	2.8790	7481.8	7505.8	24	1.12	1.12	1.12	45.7	Sunny	152.4	260
08-Nov-24	10:00AM	09-Nov-24	10:00AM	2.8011	2.8756	7505.8	7529.8	24	1.12	1.12	1.12	46.3	Sunny	152.4	260
14-Nov-24	10:00AM	15-Nov-24	10:00AM	2.8066	2.8909	7529.8	7553.8	24	1.12	1.12	1.12	52.4	Rainy	152.4	260
20-Nov-24	10:00AM	21-Nov-24	10:00AM	2.8089	2.8578	7553.8	7577.8	24	1.12	1.12	1.12	30.4	Rainy	152.4	260
26-Nov-24	10:00AM	27-Nov-24	10:00AM	2.8050	2.8581	7577.8	7601.8	24	1.12	1.12	1.12	33.0	Rainy	152.4	260
02-Dec-24	10:00AM	03-Dec-24	10:00AM	2.8063	2.8586	7602.8	7626.8	24	1.12	1.12	1.12	32.5	Sunny	152.4	260
07-Dec-24	10:00AM	08-Dec-24	10:00AM	2.8062	2.8746	7626.8	7650.8	24	1.12	1.12	1.12	42.5	Sunny	152.4	260
13-Dec-24	10:00AM	14-Dec-24	10:00AM	2.8035	2.8782	7650.8	7674.8	24	1.12	1.12	1.12	46.4	Sunny	152.4	260
19-Dec-24	10:00AM	20-Dec-24	10:00AM	2.8063	2.8828	7674.8	7698.8	24	1.12	1.12	1.12	47.5	Sunny	152.4	260
23-Dec-24	10:00AM	24-Dec-24	10:00AM	2.8014	2.8741	7698.8	7722.8	24	1.12	1.12	1.12	45.2	Cloudy	152.4	260
28-Dec-24	10:00AM	29-Dec-24	10:00AM	2.8042	2.8569	7722.8	7746.8	24	1.12	1.12	1.12	32.8	Sunny	152.4	260
31-Dec-24	10:00AM	01-Jan-25	10:00AM	2.8041	2.8628	7746.8	7770.8	24	1.12	1.12	1.12	36.5	Sunny	152.4	260
06-Jan-25	10:00AM	07-Jan-25	10:00AM	2.8081	2.8659	7771.8	7795.8	24	1.12	1.12	1.12	35.9	Sunny	152.4	260
11-Jan-25	10:00AM	12-Jan-25	10:00AM	2.8033	2.8585	7795.8	7819.8	24	1.12	1.12	1.12	34.3	Sunny	152.4	260
17-Jan-25	10:00AM	18-Jan-25	10:00AM	2.8090	2.8748	7819.8	7843.8	24	1.12	1.12	1.12	40.9	Sunny	152.4	260
23-Jan-25	10:00AM	24-Jan-25	10:00AM	2.8032	2.8827	7843.8	7867.8	24	1.12	1.12	1.12	49.4	Rainy	152.4	260
28-Jan-25	10:00AM	29-Jan-25	10:00AM	2.8042	2.8775	7867.8	7891.8	24	1.12	1.12	1.12	45.6	Sunny	152.4	260

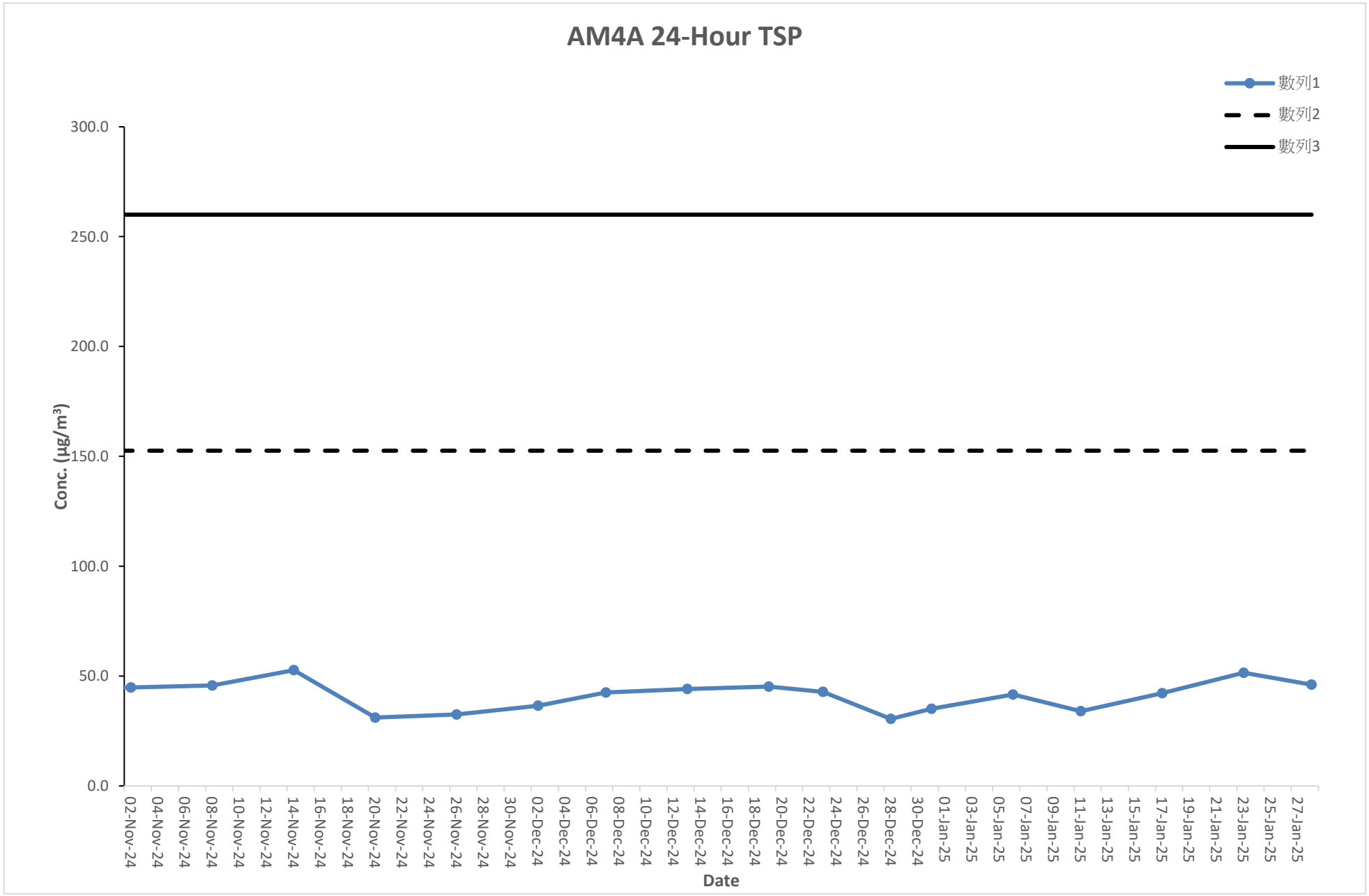
Graphical Presentation of Air Quality Monitoring Result at Station AM3A (24-hour TSP)



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				
02-Nov-24	10:00AM	03-Nov-24	10:00AM	2.8049	2.8770	7901.4	7925.4	24	1.12	1.12	1.12	44.8	Sunny	152.6	260
08-Nov-24	10:00AM	09-Nov-24	10:00AM	2.8023	2.8759	7925.4	7949.4	24	1.12	1.12	1.12	45.7	Sunny	152.6	260
14-Nov-24	10:00AM	15-Nov-24	10:00AM	2.8013	2.8860	7949.4	7973.4	24	1.12	1.12	1.12	52.7	Rainy	152.6	260
20-Nov-24	10:00AM	21-Nov-24	10:00AM	2.8084	2.8584	7973.4	7997.4	24	1.12	1.12	1.12	31.1	Rainy	152.6	260
26-Nov-24	10:00AM	27-Nov-24	10:00AM	2.8066	2.8590	7997.4	8021.4	24	1.12	1.12	1.12	32.5	Rainy	152.6	260
02-Dec-24	10:00AM	03-Dec-24	10:00AM	2.8045	2.8633	8022.4	8046.4	24	1.12	1.12	1.12	36.5	Sunny	152.6	260
07-Dec-24	10:00AM	08-Dec-24	10:00AM	2.8066	2.8750	8046.4	8070.4	24	1.12	1.12	1.12	42.5	Sunny	152.6	260
13-Dec-24	10:00AM	14-Dec-24	10:00AM	2.8061	2.8771	8070.4	8094.4	24	1.12	1.12	1.12	44.1	Sunny	152.6	260
19-Dec-24	10:00AM	20-Dec-24	10:00AM	2.8076	2.8804	8094.4	8118.4	24	1.12	1.12	1.12	45.2	Sunny	152.6	260
23-Dec-24	10:00AM	24-Dec-24	10:00AM	2.8019	2.8709	8118.4	8142.4	24	1.12	1.12	1.12	42.8	Cloudy	152.6	260
28-Dec-24	10:00AM	29-Dec-24	10:00AM	2.8030	2.8521	8142.4	8166.4	24	1.12	1.12	1.12	30.5	Sunny	152.6	260
31-Dec-24	10:00AM	01-Jan-25	10:00AM	2.8054	2.8619	8166.4	8190.4	24	1.12	1.12	1.12	35.1	Sunny	152.6	260
06-Jan-25	10:00AM	07-Jan-25	10:00AM	2.8057	2.8727	8191.4	8215.4	24	1.12	1.12	1.12	41.6	Sunny	152.6	260
11-Jan-25	10:00AM	12-Jan-25	10:00AM	2.8063	2.8611	8215.4	8239.4	24	1.12	1.12	1.12	34.0	Sunny	152.6	260
17-Jan-25	10:00AM	18-Jan-25	10:00AM	2.8016	2.8696	8239.4	8263.4	24	1.12	1.12	1.12	42.2	Sunny	152.6	260
23-Jan-25	10:00AM	24-Jan-25	10:00AM	2.8014	2.8843	8263.4	8287.4	24	1.12	1.12	1.12	51.5	Rainy	152.6	260
28-Jan-25	10:00AM	29-Jan-25	10:00AM	2.8071	2.8813	8287.4	8311.4	24	1.12	1.12	1.12	46.1	Sunny	152.6	260

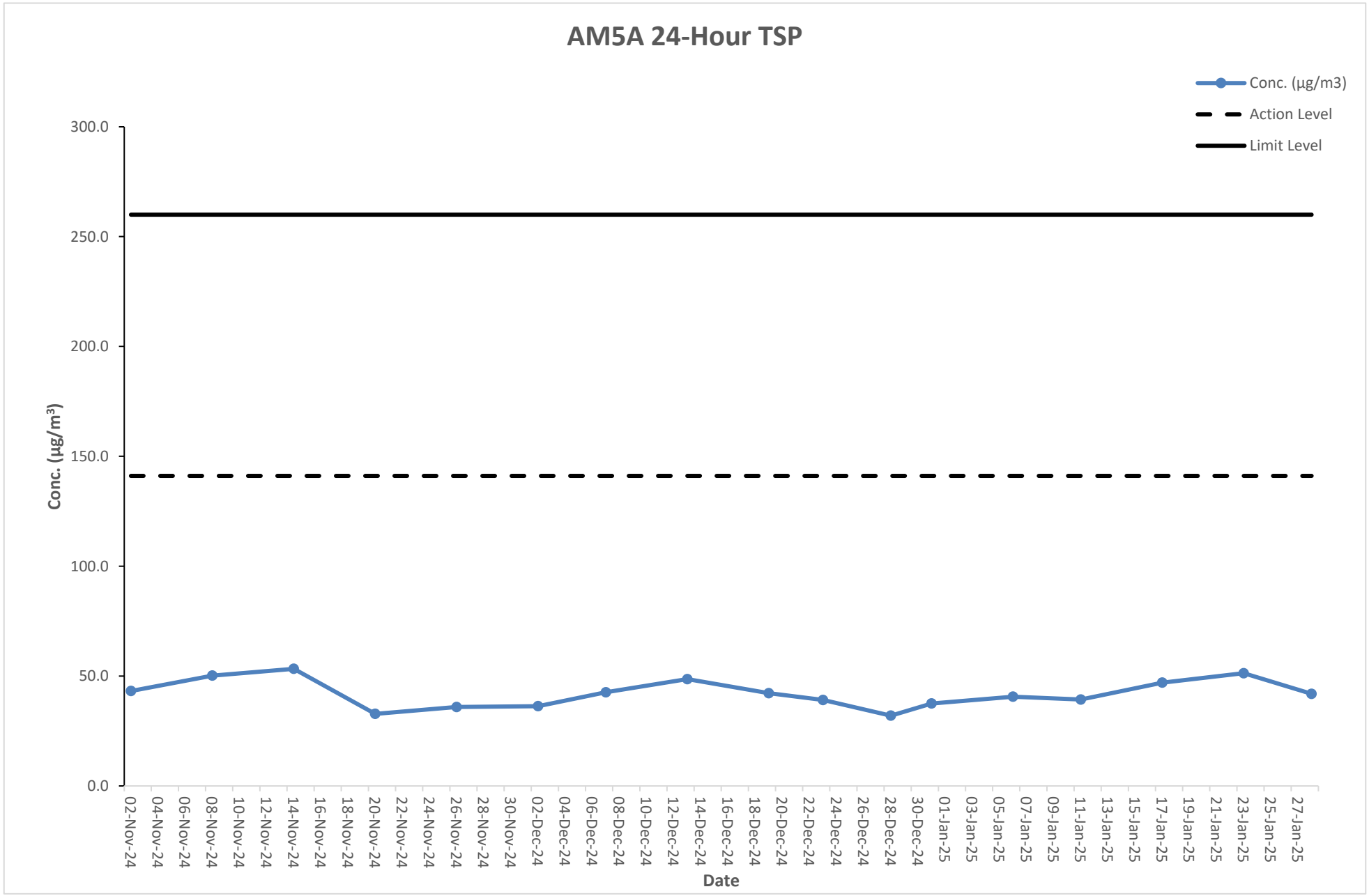
Graphical Presentation of Air Quality Monitoring Result at Station AM4A (24-hour TSP)



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				
02-Nov-24	10:00AM	03-Nov-24	10:00AM	2.8072	2.8767	8039.6	8063.6	24	1.12	1.12	1.12	43.2	Sunny	141.1	260
08-Nov-24	10:00AM	09-Nov-24	10:00AM	2.8069	2.8876	8063.6	8087.6	24	1.12	1.12	1.12	50.2	Sunny	141.1	260
14-Nov-24	10:00AM	15-Nov-24	10:00AM	2.8057	2.8915	8087.6	8111.6	24	1.12	1.12	1.12	53.3	Rainy	141.1	260
20-Nov-24	10:00AM	21-Nov-24	10:00AM	2.8061	2.8588	8111.6	8135.6	24	1.12	1.12	1.12	32.8	Rainy	141.1	260
26-Nov-24	10:00AM	27-Nov-24	10:00AM	2.8060	2.8638	8135.6	8159.6	24	1.12	1.12	1.12	35.9	Rainy	141.1	260
02-Dec-24	10:00AM	03-Dec-24	10:00AM	2.8046	2.8630	8160.6	8184.6	24	1.12	1.12	1.12	36.3	Sunny	141.1	260
07-Dec-24	10:00AM	08-Dec-24	10:00AM	2.8029	2.8714	8184.6	8208.6	24	1.12	1.12	1.12	42.6	Sunny	141.1	260
13-Dec-24	10:00AM	14-Dec-24	10:00AM	2.8060	2.8843	8208.6	8232.6	24	1.12	1.12	1.12	48.6	Sunny	141.1	260
19-Dec-24	10:00AM	20-Dec-24	10:00AM	2.8056	2.8736	8232.6	8256.6	24	1.12	1.12	1.12	42.2	Sunny	141.1	260
23-Dec-24	10:00AM	24-Dec-24	10:00AM	2.8026	2.8655	8256.6	8280.6	24	1.12	1.12	1.12	39.1	Cloudy	141.1	260
28-Dec-24	10:00AM	29-Dec-24	10:00AM	2.8029	2.8544	8280.6	8304.6	24	1.12	1.12	1.12	32.0	Sunny	141.1	260
31-Dec-24	10:00AM	01-Jan-25	10:00AM	2.8082	2.8686	8304.6	8328.6	24	1.12	1.12	1.12	37.5	Sunny	141.1	260
06-Jan-25	10:00AM	07-Jan-25	10:00AM	2.8020	2.8674	8329.6	8353.6	24	1.12	1.12	1.12	40.6	Sunny	141.1	260
11-Jan-25	10:00AM	12-Jan-25	10:00AM	2.8061	2.8694	8353.6	8377.6	24	1.12	1.12	1.12	39.3	Sunny	141.1	260
17-Jan-25	10:00AM	18-Jan-25	10:00AM	2.8035	2.8791	8377.6	8401.6	24	1.12	1.12	1.12	47.0	Sunny	141.1	260
23-Jan-25	10:00AM	24-Jan-25	10:00AM	2.8052	2.8878	8401.6	8425.6	24	1.12	1.12	1.12	51.3	Rainy	141.1	260
28-Jan-25	10:00AM	29-Jan-25	10:00AM	2.8050	2.8725	8425.6	8449.6	24	1.12	1.12	1.12	41.9	Sunny	141.1	260

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



Noise Monitoring Result at Station NM2A

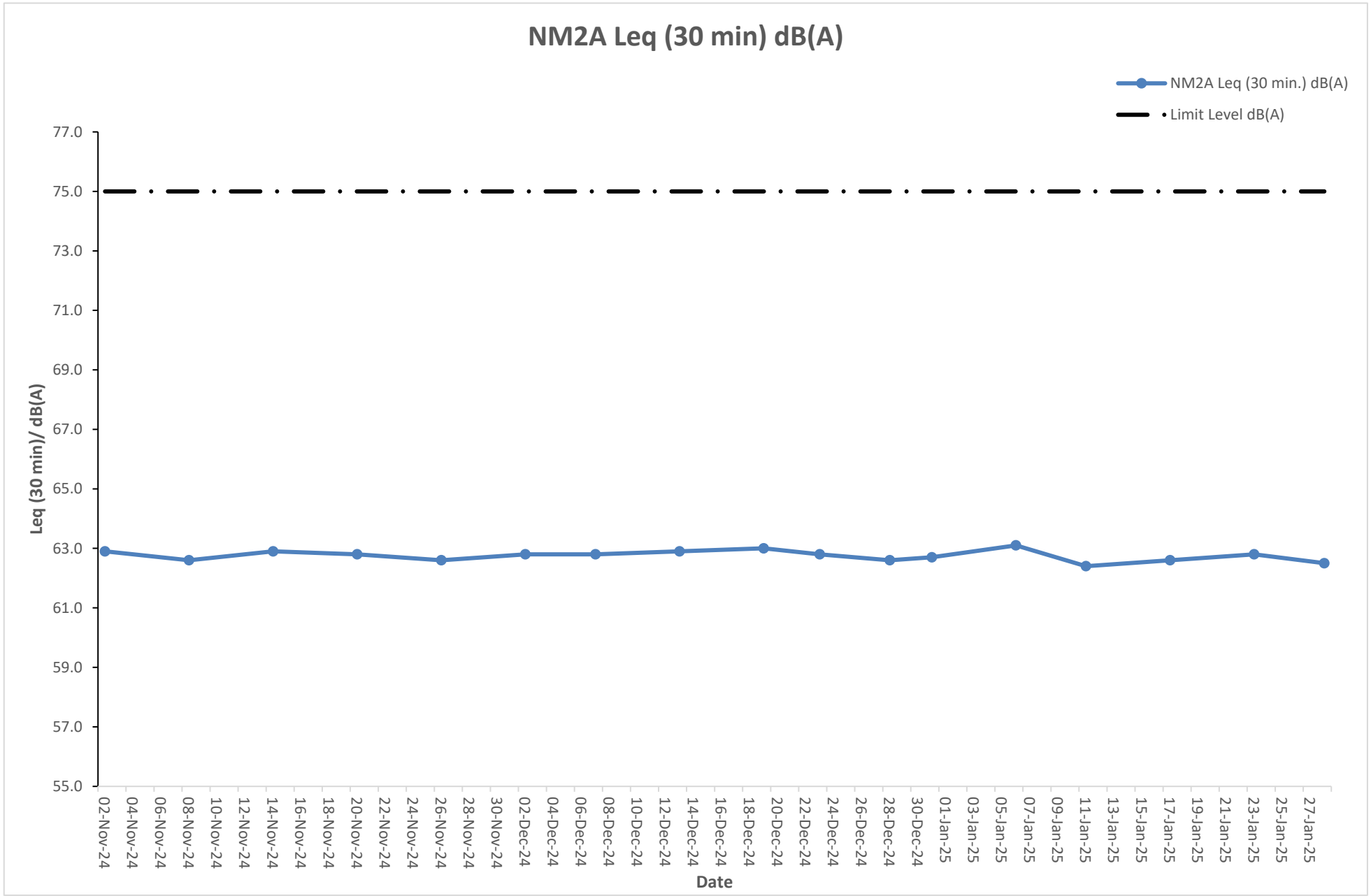
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
02-Nov-24	8:00	64.0	60.7	62.9
02-Nov-24	8:05	64.8	60.2	
02-Nov-24	8:10	65.0	60.5	
02-Nov-24	8:15	64.1	61.5	
02-Nov-24	8:20	64.7	60.4	
02-Nov-24	8:25	64.9	60.6	
08-Nov-24	14:05	64.5	60.5	62.6
08-Nov-24	14:10	64.2	60.8	
08-Nov-24	14:15	64.6	61.1	
08-Nov-24	14:20	63.9	60.3	
08-Nov-24	14:25	64.1	60.9	
08-Nov-24	14:30	64.8	60.9	
14-Nov-24	8:03	64.5	61.1	62.9
14-Nov-24	8:08	64.6	61.6	
14-Nov-24	8:13	63.6	60.9	
14-Nov-24	8:18	64.8	61.2	
14-Nov-24	8:23	64.1	60.9	
14-Nov-24	8:28	64.6	60.9	
20-Nov-24	14:07	64.4	60.2	62.8
20-Nov-24	14:12	64.6	61.4	
20-Nov-24	14:17	64.3	61.2	
20-Nov-24	14:22	64.4	60.2	
20-Nov-24	14:27	63.9	61.4	
20-Nov-24	14:32	63.9	60.5	
26-Nov-24	8:02	64.8	60.7	62.6
26-Nov-24	8:07	63.8	60.2	
26-Nov-24	8:12	64.9	61.0	
26-Nov-24	8:17	64.0	60.6	
26-Nov-24	8:22	64.7	60.7	
26-Nov-24	8:27	63.6	60.9	
02-Dec-24	14:09	63.8	60.4	62.8
02-Dec-24	14:14	63.7	60.5	
02-Dec-24	14:19	63.8	61.1	
02-Dec-24	14:24	64.6	60.2	
02-Dec-24	14:29	63.6	60.8	
02-Dec-24	14:34	64.7	60.9	
07-Dec-24	8:02	64.3	60.6	62.8
07-Dec-24	8:07	63.8	61.4	
07-Dec-24	8:12	63.7	60.5	
07-Dec-24	8:17	64.2	61.1	
07-Dec-24	8:22	64.6	61.2	
07-Dec-24	8:27	64.4	61.4	
13-Dec-24	14:07	63.8	60.6	62.9
13-Dec-24	14:12	64.3	61.6	
13-Dec-24	14:17	65.0	60.9	
13-Dec-24	14:22	64.4	60.4	
13-Dec-24	14:27	64.6	60.3	
13-Dec-24	14:32	64.9	61.4	
19-Dec-24	8:05	64.5	60.2	63.0
19-Dec-24	8:10	64.0	60.5	
19-Dec-24	8:15	64.6	60.9	
19-Dec-24	8:20	64.7	61.1	
19-Dec-24	8:25	65.0	60.7	
19-Dec-24	8:30	64.2	60.2	
23-Dec-24	14:01	64.8	61.1	62.8
23-Dec-24	14:06	65.0	60.6	
23-Dec-24	14:11	64.7	61.0	
23-Dec-24	14:16	64.0	61.4	
23-Dec-24	14:21	64.4	61.2	
23-Dec-24	14:26	63.6	61.0	
28-Dec-24	8:04	64.0	60.5	62.6
28-Dec-24	8:09	64.9	60.6	
28-Dec-24	8:14	63.7	60.2	
28-Dec-24	8:19	63.6	61.3	
28-Dec-24	8:24	63.8	61.2	
28-Dec-24	8:29	64.8	61.4	
31-Dec-24	14:08	63.9	60.2	62.7
31-Dec-24	14:13	64.6	61.0	
31-Dec-24	14:18	64.6	60.7	
31-Dec-24	14:23	64.7	61.0	
31-Dec-24	14:28	63.9	61.5	
31-Dec-24	14:33	65.0	60.7	

Noise Monitoring Result at Station NM2A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-Jan-25	8:00	64.6	61.5	63.1
06-Jan-25	8:05	63.9	60.6	
06-Jan-25	8:10	63.6	60.3	
06-Jan-25	8:15	63.9	61.2	
06-Jan-25	8:20	64.8	60.6	
06-Jan-25	8:25	63.6	60.4	
11-Jan-25	14:07	64.7	60.3	62.4
11-Jan-25	14:12	63.9	60.8	
11-Jan-25	14:17	64.2	60.6	
11-Jan-25	14:22	64.4	61.5	
11-Jan-25	14:27	63.8	61.3	
11-Jan-25	14:32	64.2	60.5	
17-Jan-25	8:03	64.3	60.6	62.6
17-Jan-25	8:08	64.1	61.6	
17-Jan-25	8:13	63.8	60.7	
17-Jan-25	8:18	64.9	60.4	
17-Jan-25	8:23	64.2	61.4	
17-Jan-25	8:28	64.4	60.9	
23-Jan-25	14:05	63.6	60.8	62.8
23-Jan-25	14:10	64.2	60.3	
23-Jan-25	14:15	65.0	61.4	
23-Jan-25	14:20	64.0	61.1	
23-Jan-25	14:25	63.8	60.6	
23-Jan-25	14:30	63.8	61.1	
28-Jan-25	8:08	64.3	60.2	62.5
28-Jan-25	8:13	63.7	61.6	
28-Jan-25	8:18	63.9	61.1	
28-Jan-25	8:23	64.6	60.8	
28-Jan-25	8:28	63.7	60.5	
28-Jan-25	8:33	64.5	60.2	

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

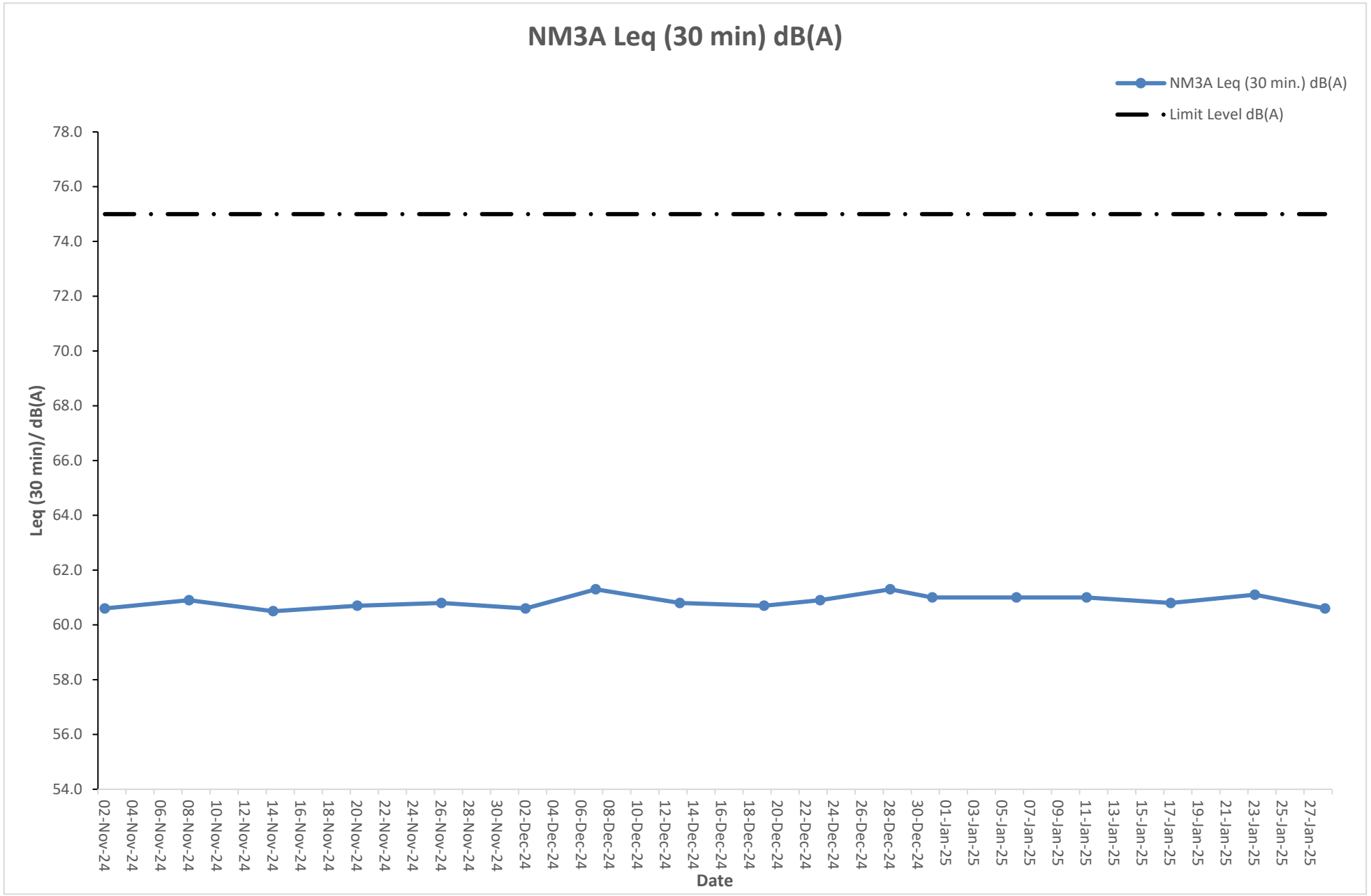
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
02-Nov-24	9:30	62.0	57.2	60.6
02-Nov-24	9:35	63.3	56.0	
02-Nov-24	9:40	62.7	57.2	
02-Nov-24	9:45	63.2	57.4	
02-Nov-24	9:50	63.4	56.5	
02-Nov-24	9:55	62.0	56.8	
08-Nov-24	15:38	61.9	57.3	60.9
08-Nov-24	15:43	63.3	57.2	
08-Nov-24	15:48	63.4	57.8	
08-Nov-24	15:53	62.5	56.9	
08-Nov-24	15:58	63.6	56.3	
08-Nov-24	16:03	63.4	57.4	
14-Nov-24	9:33	62.7	56.3	60.5
14-Nov-24	9:38	61.9	56.4	
14-Nov-24	9:43	61.9	57.2	
14-Nov-24	9:48	62.9	57.0	
14-Nov-24	9:53	63.6	57.5	
14-Nov-24	9:58	62.4	56.2	
20-Nov-24	15:49	62.3	57.8	60.7
20-Nov-24	15:54	62.6	57.2	
20-Nov-24	15:59	63.2	56.2	
20-Nov-24	16:04	62.9	56.0	
20-Nov-24	16:09	63.1	56.3	
20-Nov-24	16:14	62.2	57.1	
26-Nov-24	9:41	63.0	56.5	60.8
26-Nov-24	9:46	62.4	55.9	
26-Nov-24	9:51	63.6	56.4	
26-Nov-24	9:56	63.5	57.2	
26-Nov-24	10:01	62.9	56.0	
26-Nov-24	10:06	62.1	57.2	
02-Dec-24	15:39	63.3	55.9	60.6
02-Dec-24	15:44	63.6	56.0	
02-Dec-24	15:49	63	57.4	
02-Dec-24	15:54	62	57.3	
02-Dec-24	15:59	63.7	56.9	
02-Dec-24	16:04	63.3	57.5	
07-Dec-24	9:35	63.3	56.2	61.3
07-Dec-24	9:40	62.9	57.2	
07-Dec-24	9:45	62.8	57.8	
07-Dec-24	9:50	62.3	57.7	
07-Dec-24	9:55	63.3	56.8	
07-Dec-24	10:00	62.4	57.4	
13-Dec-24	15:37	63.8	57.0	60.8
13-Dec-24	15:42	63.1	56.7	
13-Dec-24	15:47	62.5	57.7	
13-Dec-24	15:52	62.7	56.7	
13-Dec-24	15:57	62.2	56.7	
13-Dec-24	16:02	63.1	57.2	
19-Dec-24	9:47	62.7	56.2	60.7
19-Dec-24	9:52	62.3	57.5	
19-Dec-24	9:57	63.3	57.7	
19-Dec-24	10:02	62.4	56.3	
19-Dec-24	10:07	61.9	57.0	
19-Dec-24	10:12	63.5	57.4	
23-Dec-24	15:40	63.1	56.5	60.9
23-Dec-24	15:45	61.9	56.5	
23-Dec-24	15:50	62.4	56.8	
23-Dec-24	15:55	63.1	56.0	
23-Dec-24	16:00	62.3	57.8	
23-Dec-24	16:05	63.2	56.0	
28-Dec-24	9:46	62.6	56.9	61.3
28-Dec-24	9:51	63.7	57.2	
28-Dec-24	9:56	62.4	56.7	
28-Dec-24	10:01	62.1	56.1	
28-Dec-24	10:06	61.9	56.0	
28-Dec-24	10:11	63.0	57.1	
31-Dec-24	15:50	62.4	57.1	61.0
31-Dec-24	15:55	63.3	57.3	
31-Dec-24	16:00	62.4	57.3	
31-Dec-24	16:05	62.5	56.9	
31-Dec-24	16:10	63.7	57.2	
31-Dec-24	16:15	62.4	56.9	

Noise Monitoring Result at Station NM3A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-Jan-25	9:30	63.8	56.3	61.0
06-Jan-25	9:35	62.4	56.9	
06-Jan-25	9:40	63.2	57.5	
06-Jan-25	9:45	63.2	56.7	
06-Jan-25	9:50	62.6	56.3	
06-Jan-25	9:55	62.1	56.2	
11-Jan-25	15:40	63.4	56.0	61.0
11-Jan-25	15:45	62.5	57.2	
11-Jan-25	15:50	63.4	56.0	
11-Jan-25	15:55	63.5	57.2	
11-Jan-25	16:00	63.5	57.8	
11-Jan-25	16:05	62.8	56.0	
17-Jan-25	9:33	62.7	56.6	60.8
17-Jan-25	9:38	61.9	56.5	
17-Jan-25	9:43	63.5	56.4	
17-Jan-25	9:48	62.1	56.6	
17-Jan-25	9:53	62.3	57.3	
17-Jan-25	9:58	63.5	56.1	
23-Jan-25	15:47	63.4	57.5	61.1
23-Jan-25	15:52	63.5	57.1	
23-Jan-25	15:57	62.7	57.3	
23-Jan-25	16:02	63.3	57.3	
23-Jan-25	16:07	62.5	57.2	
23-Jan-25	16:12	63.5	57.0	
28-Jan-25	09:47	63.8	57.6	60.6
28-Jan-25	09:52	63.8	56.6	
28-Jan-25	09:57	63.0	56.4	
28-Jan-25	10:02	62.4	57.2	
28-Jan-25	10:07	61.9	57.1	
28-Jan-25	10:12	62.4	56.2	

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

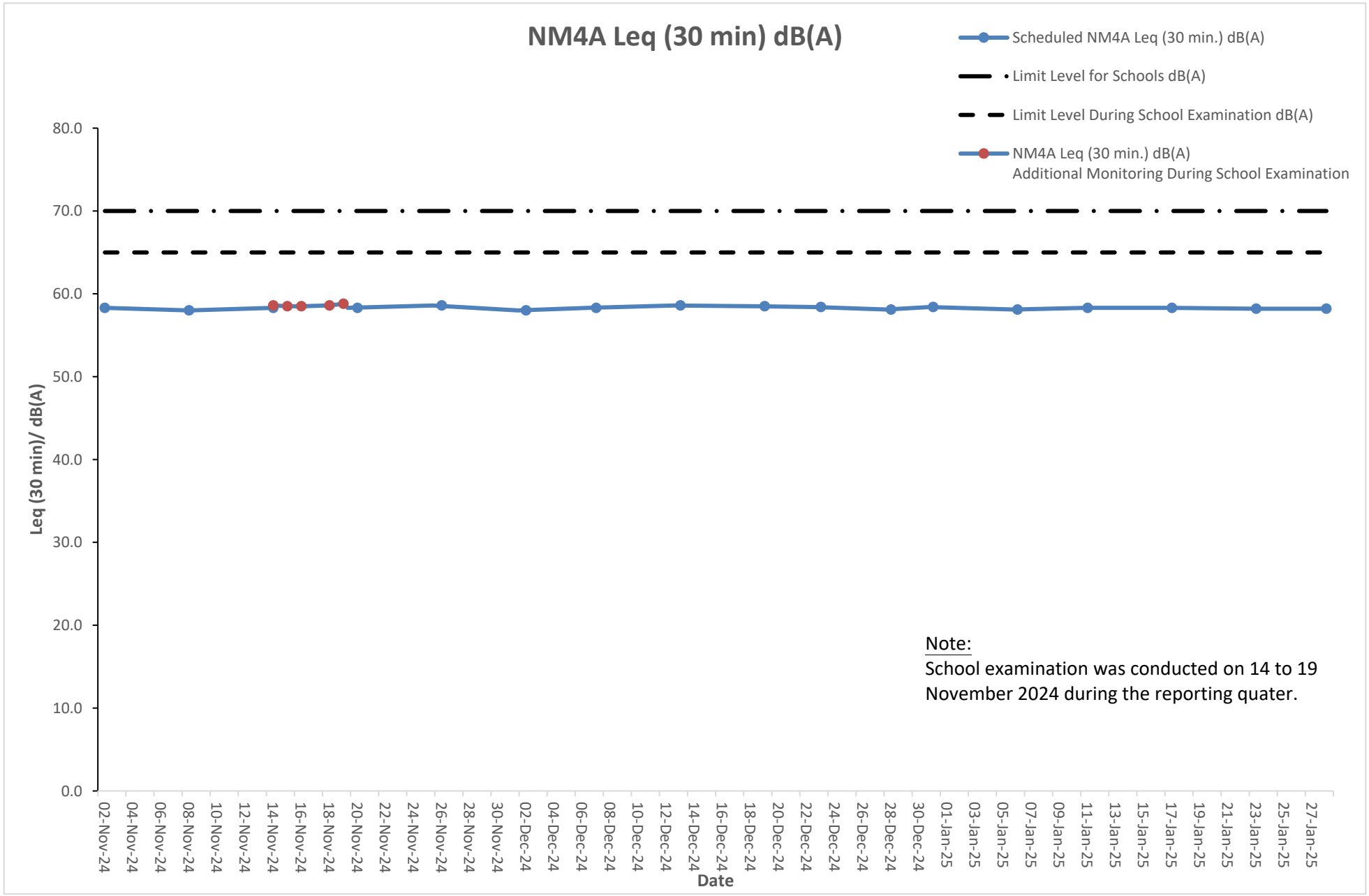
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
02-Nov-24	10:05	60.5	57.0	58.3
02-Nov-24	10:10	59.3	56.8	
02-Nov-24	10:15	60.3	56.4	
02-Nov-24	10:20	60.1	55.7	
02-Nov-24	10:25	60.2	56.3	
02-Nov-24	10:30	60.1	55.7	
08-Nov-24	16:13	60.5	56.5	58.0
08-Nov-24	16:18	60.1	56.2	
08-Nov-24	16:23	59.2	56.4	
08-Nov-24	16:28	59.5	56.4	
08-Nov-24	16:33	59.2	55.9	
08-Nov-24	16:38	60.6	56.7	
14-Nov-24	10:08	60.2	56.5	58.3
14-Nov-24	10:13	60.4	56.9	
14-Nov-24	10:18	59.8	56.0	
14-Nov-24	10:23	60.6	56.3	
14-Nov-24	10:28	60.6	56.4	
14-Nov-24	10:33	59.4	56.2	
20-Nov-24	16:24	59.2	56.1	58.3
20-Nov-24	16:29	60.3	57.1	
20-Nov-24	16:34	59.3	55.7	
20-Nov-24	16:39	59.2	56.5	
20-Nov-24	16:44	60.6	56.6	
20-Nov-24	16:49	59.5	56.2	
26-Nov-24	10:16	59.9	55.8	58.6
26-Nov-24	10:21	60.2	56.4	
26-Nov-24	10:26	59.9	56.7	
26-Nov-24	10:31	59.2	56.8	
26-Nov-24	10:36	59.3	56.1	
26-Nov-24	10:41	60.3	55.8	
02-Dec-24	16:14	60.5	56.5	58.0
02-Dec-24	16:19	60.5	56.6	
02-Dec-24	16:24	60.1	56.2	
02-Dec-24	16:29	59.3	56.2	
02-Dec-24	16:34	59.5	56.8	
02-Dec-24	16:39	60.3	56.6	
07-Dec-24	10:10	60.2	56.6	58.3
07-Dec-24	10:15	59.7	55.8	
07-Dec-24	10:20	60.5	55.8	
07-Dec-24	10:25	59.7	57.1	
07-Dec-24	10:30	60.6	56.7	
07-Dec-24	10:35	60.0	57.0	
13-Dec-24	16:12	60.2	56.2	58.6
13-Dec-24	16:17	60.2	57.0	
13-Dec-24	16:22	60.6	56.3	
13-Dec-24	16:27	60.6	56.4	
13-Dec-24	16:32	59.5	55.9	
13-Dec-24	16:37	60.3	56.0	
19-Dec-24	10:22	60.4	56.4	58.5
19-Dec-24	10:27	60.0	56.0	
19-Dec-24	10:32	60.1	56.8	
19-Dec-24	10:37	59.2	56.4	
19-Dec-24	10:42	59.2	56.4	
19-Dec-24	10:47	59.4	56.3	
23-Dec-24	16:15	59.2	56.1	58.4
23-Dec-24	16:20	59.2	56.8	
23-Dec-24	16:25	59.7	55.7	
23-Dec-24	16:30	60.5	56.4	
23-Dec-24	16:35	59.2	56.7	
23-Dec-24	16:40	60.2	56.1	
28-Dec-24	10:21	59.4	55.9	58.1
28-Dec-24	10:26	60.3	57.0	
28-Dec-24	10:31	60.4	56.4	
28-Dec-24	10:36	59.9	56.5	
28-Dec-24	10:41	60.5	56.8	
28-Dec-24	10:46	59.8	56.7	
31-Dec-24	16:25	60.6	57.1	58.4
31-Dec-24	16:30	59.2	56.5	
31-Dec-24	16:35	59.7	56.0	
31-Dec-24	16:40	59.9	56.5	
31-Dec-24	16:45	59.6	57.1	
31-Dec-24	16:50	60.3	56.4	

Noise Monitoring Result at Station NM4A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-Jan-25	10:05	59.8	55.9	58.1
06-Jan-25	10:10	59.4	55.8	
06-Jan-25	10:15	59.3	56.9	
06-Jan-25	10:20	60.2	55.9	
06-Jan-25	10:25	59.7	56.9	
06-Jan-25	10:30	59.7	56.8	
11-Jan-25	16:15	59.9	56.1	58.3
11-Jan-25	16:20	59.8	56.7	
11-Jan-25	16:25	60.6	56.8	
11-Jan-25	16:30	60.0	57.0	
11-Jan-25	16:35	60.5	56.2	
11-Jan-25	16:40	60.1	56.9	
17-Jan-25	10:08	60.1	56.1	58.3
17-Jan-25	10:13	59.9	56.9	
17-Jan-25	10:18	60.5	57.1	
17-Jan-25	10:23	59.7	56.3	
17-Jan-25	10:28	59.8	56.6	
17-Jan-25	10:33	60.0	56.9	
23-Jan-25	16:22	59.3	56.0	58.2
23-Jan-25	16:27	59.7	56.4	
23-Jan-25	16:32	59.7	57.0	
23-Jan-25	16:37	60.0	56.2	
23-Jan-25	16:42	59.5	56.2	
23-Jan-25	16:47	60.4	56.3	
28-Jan-25	10:22	59.8	56.0	58.2
28-Jan-25	10:27	60.6	56.9	
28-Jan-25	10:32	60.2	56.9	
28-Jan-25	10:37	60.3	55.8	
28-Jan-25	10:42	59.2	57.1	
28-Jan-25	10:47	60.5	56.2	

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)
02-Nov-24	8:50	62.0	58.1	60.3	63.3
02-Nov-24	8:55	62.1	58.9		
02-Nov-24	9:00	62.7	57.4		
02-Nov-24	9:05	62.6	57.6		
02-Nov-24	9:10	62.6	59.0		
02-Nov-24	9:15	62.8	58.7		
08-Nov-24	14:57	61.9	57.8	60.5	63.5
08-Nov-24	15:02	62.4	59.2		
08-Nov-24	15:07	62.3	57.5		
08-Nov-24	15:12	62.3	58.5		
08-Nov-24	15:17	61.4	59.3		
08-Nov-24	15:22	62.4	57.4		
14-Nov-24	8:53	62.4	58.4	60.2	63.2
14-Nov-24	8:58	62.1	57.8		
14-Nov-24	9:03	61.4	57.5		
14-Nov-24	9:08	62.7	59.2		
14-Nov-24	9:13	62.6	58.0		
14-Nov-24	9:18	62.6	58.0		
20-Nov-24	14:59	62.6	58.1	60.4	63.4
20-Nov-24	15:13	62.3	57.8		
20-Nov-24	15:18	61.4	58.3		
20-Nov-24	15:23	62.5	58.5		
20-Nov-24	15:28	61.9	58.1		
20-Nov-24	15:33	62.6	58.6		
26-Nov-24	8:52	62.7	58.1	60.5	63.5
26-Nov-24	9:06	62.6	58.5		
26-Nov-24	9:11	62.0	59.2		
26-Nov-24	9:16	62.3	58.4		
26-Nov-24	9:21	61.7	58.7		
26-Nov-24	9:26	61.4	58.7		
02-Dec-24	14:59	62.1	58.2	60.3	63.3
02-Dec-24	15:04	61.7	57.8		
02-Dec-24	15:09	61.8	58.4		
02-Dec-24	15:14	62.5	58.2		
02-Dec-24	15:19	62.8	57.4		
02-Dec-24	15:24	61.7	58.1		
07-Dec-24	8:54	62.4	58.1	60.3	63.3
07-Dec-24	8:59	62.1	57.6		
07-Dec-24	9:04	62.4	58.1		
07-Dec-24	9:09	62.2	58.8		
07-Dec-24	9:14	62.2	57.8		
07-Dec-24	9:19	61.7	57.8		
13-Dec-24	14:57	62.1	57.4	60.7	63.7
13-Dec-24	15:02	61.4	58.5		
13-Dec-24	15:07	61.7	57.5		
13-Dec-24	15:12	62.7	59.1		
13-Dec-24	15:17	62.5	57.6		
13-Dec-24	15:22	62.4	58.8		
19-Dec-24	8:57	62.8	57.5	60.6	63.6
19-Dec-24	9:11	62.4	58.9		
19-Dec-24	9:16	62.3	58.3		
19-Dec-24	9:21	62.5	57.9		
19-Dec-24	9:26	61.5	59.1		
19-Dec-24	9:31	62.3	57.6		
23-Dec-24	14:51	62.6	59.2	60.8	63.8
23-Dec-24	15:05	61.7	57.7		
23-Dec-24	15:10	62.4	58.4		
23-Dec-24	15:15	61.7	57.5		
23-Dec-24	15:20	62.5	58.1		
23-Dec-24	15:25	62.7	59.2		
28-Dec-24	8:56	61.5	58.3	60.9	63.9
28-Dec-24	9:10	62.6	58.0		
28-Dec-24	9:15	62.2	57.5		
28-Dec-24	9:20	62.8	57.6		
28-Dec-24	9:25	61.5	58.9		
28-Dec-24	9:30	62.0	57.5		
31-Dec-24	15:00	62.0	58.1	60.7	63.7
31-Dec-24	15:14	61.9	59.2		
31-Dec-24	15:19	61.9	57.9		
31-Dec-24	15:24	62.5	58.8		
31-Dec-24	15:29	62.0	58.8		
31-Dec-24	15:34	62.4	58.8		

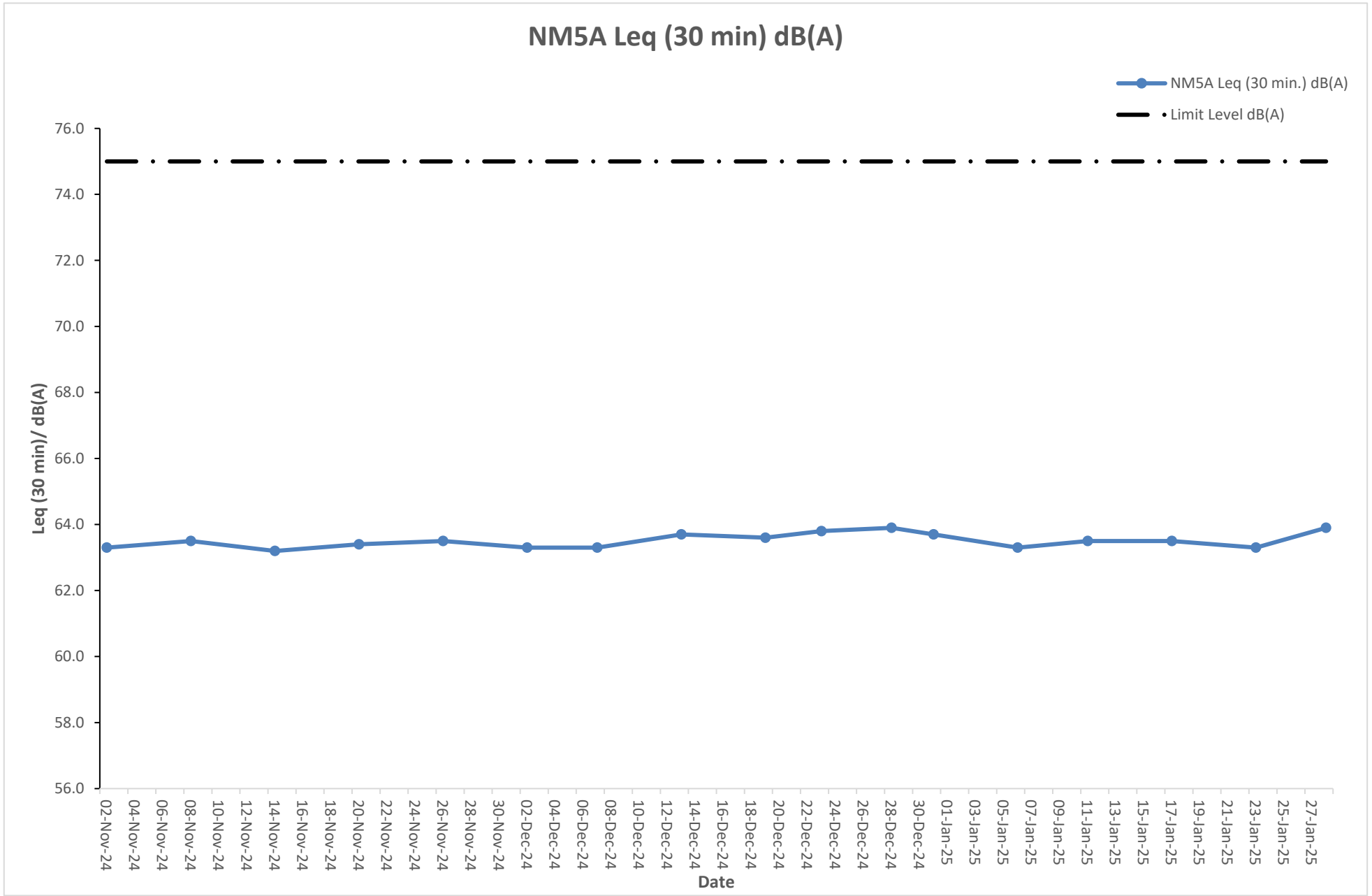
Noise Monitoring Result at Station NM5A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)	Leq (30 min.) +3 dB(A)
06-Jan-25	8:50	61.6	57.6	60.3	63.3
06-Jan-25	8:55	62.3	57.6		
06-Jan-25	9:00	61.8	57.6		
06-Jan-25	9:05	62.2	59.1		
06-Jan-25	9:10	62.0	57.8		
06-Jan-25	9:15	61.8	58.6		
11-Jan-25	14:59	61.6	59.1	60.5	63.5
11-Jan-25	15:04	61.6	57.5		
11-Jan-25	15:09	61.5	57.6		
11-Jan-25	15:14	61.6	59.2		
11-Jan-25	15:19	62.5	57.9		
11-Jan-25	15:24	61.9	58.9		
17-Jan-25	8:53	62.3	59.1	60.5	63.5
17-Jan-25	8:58	61.5	58.8		
17-Jan-25	9:03	62.8	58.6		
17-Jan-25	9:08	62.3	57.8		
17-Jan-25	9:13	62.2	57.9		
17-Jan-25	9:18	62.6	58.9		
23-Jan-25	14:57	62.2	58.9	60.3	63.3
23-Jan-25	15:11	61.7	59.3		
23-Jan-25	15:16	61.4	58.7		
23-Jan-25	15:21	61.6	57.5		
23-Jan-25	15:26	61.5	58.6		
23-Jan-25	15:31	62.0	59.2		
28-Jan-25	8:58	62.3	58.0	60.9	63.9
28-Jan-25	9:12	61.4	57.7		
28-Jan-25	9:17	62.7	58.1		
28-Jan-25	9:22	62.3	58.7		
28-Jan-25	9:27	61.4	58.2		
28-Jan-25	9:32	62.3	58.9		

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

Table I-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 Sorting 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	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
Sep	131.67	0.00	0.00	0.00	131.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.24
Oct	241.28	0.00	0.00	0.00	231.10	10.18	0.00	0.00	0.00	0.00	0.00	0.00	3.95
Nov	5383.52	0.00	0.00	4340.40	1043.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.23
Dec	5757.15	0.00	0.00	3082.05	2675.10	0.00	0.00	90.90	0.00	0.00	0.00	0.00	38.92
Sub-total (2024)	11513.62	0.00	0.00	7422.45	4080.99	10.18	0.00	90.90	0.00	0.00	0.00	0.00	214.34
2025													
Jan	4500.55	0.00	0.00	2090.69	2391.44	18.42	0.00	28.33	0.00	0.00	0.00	0.00	29.39
Feb													
Mar													
Apr													
May													
Jun													
Jul													
Aug													
Sep													
Oct													
Nov													
Dec													
Sub-total (2025)	4500.55	0.00	0.00	2090.69	2391.44	18.42	0.00	28.33	0.00	0.00	0.00	0.00	29.39
Total	**16014.17**	**0.00**	**0.00**	**9513.14**	**6472.43**	**28.60**	**0.00**	**119.23**	**0.00**	**0.00**	**0.00**	**0.00**	**243.73**

Note:
2259.18 tonnes and 132.26 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 Public Fill and Tuen Mun Area 38 respectively in the reporting month.

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

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting quarter (Nov 24 – Jan 25)	1	0	0
From 05 July 2024 to end of the reporting quarter	2	0	0

END OF THE REPORT