Drainage Services Department

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes

Quarterly Environmental Monitoring and Audit Report – December 2023 – February 2024

(Version 1.1)

Certified by: _____

(Environmental Team Leader: Mr. KS Lee)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

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Our Ref.: CL/YML/ST/62125/91955/cl
Date: 17 May 2024

By Email

Drainage Services Department
Project Management Division
42/F, Revenue Tower
5 Gloucester Road
Wan Chai, Hong Kong

Attn.: Mr. Lee Chak-cho, Joe

Dear Sir

Re: Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Quarterly Environmental Monitoring and Audit Report (No.4) –
December 2023 to February 2024

Regarding the submission of the Quarterly Environmental Monitoring and Audit report. I hereby verify the captioned "Quarterly Environmental Monitoring and Audit Report (No.1) – December 2023 to February 2024" dated 17 May 2024.

Should you have any queries, please do not hesitate to contact the undersigned at 2859 5443.

Yours faithfully
MEINHARDT INFRASTRUCTURE AND ENVIRONMENT LTD

Ad Lee
Independent Environmental Checker

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Our Ref: MA23101/Corres/Out/2024/ah240521

Environmental Impact Assessment Ordinance Register Office
Environmental Protection Department
27th floor, Southorn Centre,
130 Hennessy Road, Wan Chai, Hong Kong.

By Courier

21 May 2024

Dear Sir / Madam,

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
(Environmental Permit (EP) No. EP-578/2020 and EP-604/2022)

Submission of Quarterly Environmental Monitoring and Audit Report (December 2023 – February 2024, version 1.1)

We refer to our Submission of Quarterly Environmental Monitoring and Audit Report (December 2023 – February 2024, version 1.1) on 21 May 2024.

This certification is to supplement the captioned submission in accordance with the Updated Environmental Monitoring & Audit Manual (v.1.3) Section 13.4.1. This Quarterly Environmental Monitoring and Audit Report (December 2023 – February 2024, version 1.1) has been certified by Environmental Team Leader as referred to the Updated Environmental Monitoring & Audit Manual (v.1.3) Section 13.4.1.

Should you require further information, please do not hesitate to contact our Ms. Betty Choi at 2151 2072 or the undersigned at 2151 2091.

Yours faithfully,
Cinotech Consultants Limited

Mr. KS Lee
Environmental Team Leader

Encl.
c.c.

DSD	Mr. LEE Chak Cho, Joe (1 hard copy)	By Mail
Binnies	Mr. Alvin Yu (1 hard copy)	By Mail
Meinhardt	Mr. Adi Lee (1 soft copy)	By E-Mail

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EXECUTIVE SUMMARY

Introduction

1. This is the 1st Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for Contract No. DC/2022/03 "Yuen Long Barrage and Nullah Improvement Schemes". This summary report presents the EM&A works performed in the period from December 2023 to February 2024.

2. The major site activities undertaken in Yuen Long Barrage and Nullah Improvement Schemes in the reporting period is provided in **Table I** below:

Table I Major Site Activities during the Reporting Period

Reporting Months	Major site activities
December	• UU Detection • Tree Transplant. • Predrilling Works (Land) • Set up Temporary MiC Office • Erect Temporary Dam at Downstream
January	• UU Detection • Tree Root Pruning • Predrilling Works (Land & Nullah) • Set up Temporary MiC Office and Fitting out Works • Erect Temporary Dam at Downstream • Translocation of Fish • Breaking up Pavement at YLNPS
February	• UU Detection • Tree Transplant • Predrilling Works (Land & Nullah) • Complete Temporary MiC Office and Fitting out Works • Erect Temporary Dam at Downstream • Condition survey (Land) • Sediment Removal • Trial pits • Sheet Piling Cofferdam Construction • Pre-bored Socket H-pile Construction

Environmental Monitoring Works

3. Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans, and environmental complaint handling procedures were also checked.

4. A summary of the non-compliance (exceedance) during the reporting period and the investigation results and/or follow-up actions is provided in **Table II** below. Details of the environmental monitoring results are presented in **Section 3**.

Table III Non-compliance (exceedance) Record in the Reporting Period

Environmental Monitoring	No. of Non-compliance (Exceedance)		No. of Non-compliance (Exceedance) due to Construction Activities of this Project	
	Action Level	Limit Level	Action Level	Limit Level
December 2023				
Air Quality (Odour)	--	--	--	--
Air Quality (Dust)	0	0	0	0
Noise	0	0	0	0
Water Quality	0	29	0	0
Ecological	0	0	0	0
Cultural Heritage	--	--	--	--
January 2024				
Air Quality (Odour)	--	--	--	--
Air Quality (Dust)	0	0	0	0
Noise	0	0	0	0
Water Quality	14	26	0	0
Ecological	0	0	0	0
Cultural Heritage	--	--	--	--
February 2024				
Air Quality (Odour)	--	--	--	--
Air Quality (Dust)	0	0	0	0
Noise	0	0	0	0
Water Quality	3	40	0	0
Ecological	0	0	0	0
Cultural Heritage	--	--	--	--

Complaint Handling, Prosecution and Public Engagement

5. Summary of complaint/summons/prosecution in the reporting period is tabulated in **Table III.**

Table IIII Summary of Complaint/Summons/Prosecution in the Reporting Period

Event	Event Details		Follow-up/ Remedial Actions	Status/ Remarks
	Number	Brief Description		
Complaints Received	0	-	N/A	N/A
Notification of Summons and Prosecutions Received	0	-	N/A	N/A

Statues of Environmental Licensing and Permitting

6. All permits/licenses obtained for the Project during the reporting period are summarized in **Table IV**.

Table IV Summary of Environmental Licensing and Permit Status

Permit / License No.	Valid Period		Status
	From	To	
Environmental Permit (EP)			
EP-578/2020	17 Sep 2020	N/A	Valid
EP-604/2022	Jan 2022	N/A	Valid
Effluent Discharge License			
Ref No. 495456	N/A	N/A	N/A
Ref No. 501000	N/A	N/A	N/A
Registration of Chemical Waste Producer			
496065	11 Nov 23	N/A	Valid
Billing Account for Construction Waste Disposal			
A/C No. 7047639	06 Jun 23	N/A	Valid
Construction Noise Permit (CNP)			
GW-RN0909-23	21 Aug 23	01 Feb 24	Valid
GW-RN0060-24	02 Feb 24	01 Jun 24	Valid
Marine Dumping Permit			
N/A	N/A	N/A	N/A
Others (e.g. Specified Process (SP) License, etc.)			
N/A	N/A	N/A	N/A

1. INTRODUCTION

Background

1.1 Drainage Services Department (DSD) proposed Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes to 1) enhance the flood protection level of Yuen Long Nullah to the required standards, 2) resolve odour problem and enhance the local environment of the town centre section of Yuen Long Nullah, and 3) revitalise Yuen Long Nullah. A site location plan of the Project is shown in **Figure 1.1**.

1.2 The major works to be executed under the contract shall include but not limited to the followings:

- Construction of a barrage, and ancillary pumping and electrical & mechanical (E&M) facilities at Yuen Long Nullah;
- Modification works at the intersection of Yuen Long Nullah and Yuen Long Bypass Floodway;
- Provision of a dry weather flow interception system, including the construction of a dry weather flow interceptor, a stormwater pumping station and laying of twin rising mains for conveyance of the dry weather flow;
- Construction and modification of parapet walls along Yuen Long Nullah, Sham Chung River and Kam Tin River;
- Enhancement works of existing Yuen Long Nullah between Shap Pat Heung Road and the proposed location of the barrage; and
- Other associated works.

1.3 The proposed works are considered as designated projects under the Environmental Impact Assessment Ordinance (EIAO). Two separate Environmental Impact Assessments (EIAs) were carried out for Yuen Long Barrage Scheme (YLBS) (Register No.: AEIAR-228/2021) and Improvement of Yuen Long Town Nullah (YLTN) (Register No.: AEIAR-223/2020). Their respective Environmental Permits are EP-604/2022 (issued on 21 January 2022) and EP-578/2020 (issued on 17 September 2020). DSD is the permit holder of both permits.

1.4 According to Condition 2.11 of EP-604/2022 and Condition 2.5 of EP-578/2020, an updated Environmental Monitoring and Audit (EM&A) Manual shall be prepared to include the latest EM&A requirements in accordance with the information and recommendations described in the respective EIA Reports and by taking into account any specific site conditions that may be changed before construction of the Project. The updated EM&A Manual shall include but not limited to:

- EP-578/2020: a water quality monitoring plan (WQMP) to detect potential adverse water quality impacts at the Project and downstream area directly affected by the construction of the Project. With reference to the excavation works in the nullah as mentioned in Condition 3.1 of this Permit, the WQMP shall include details of the monitoring locations, monitoring frequency, parameters to be monitored, and

additional measures to be taken in the event of heavy rainfall during dry season to ensure that the water quality is not adversely affected; and an Event/Action Plan for water quality monitoring.

- EP-604/2022: a construction dust monitoring plan (CDMP) to monitor dust emission during construction of the Project. The CDMP shall include details of the monitoring locations, monitoring frequency, and parameters to be monitored; and an Event/Action Plan for construction dust monitoring.

1.5 Cinotech Consultants Limited (Cinotech) was commissioned by Drainage Services Department (DSD) as the Environmental Team (ET) to undertake environmental monitoring and auditing services for the implementation of Yuen Long Barrage and Nullah Improvement Schemes to ensure that the environmental performance of the works comply with the requirements specified in the Environmental Permits (EP), the Updated Environmental Monitoring & Audit (EM&A) Manual, Environmental Impact Assessment (EIA) Reports and other relevant statutory requirements. This is the 1st Quarterly EM&A report summarizing the EM&A works for the Project in the period from December 2023 to February 2024.

Project Organizations

1.6 Different Parties with different levels of involvement in the project organization include:

- Project Proponent – Drainage Services Department (DSD)
- Engineer Representative (ER) – Binnies Hong Kong Limited (Binnies)
- Environmental Team (ET) – Cinotech Consultants Limited (Cinotech)
- Independent Environmental Checker (IEC) – Meinhardt Hong Kong Limited (Meinhardt)
- Contractor – China State – Alchmex Joint Venture (CSAJV)

1.7 The key contacts of the Project are shown in **Table 1.1**.

Table 1.1 Key Project Contacts

Party	Role	Contact Person	Phone No.
Binnies	Chief Resident Engineer	Mr. Clive Cheng	6603 9633
	Resident Engineer	Mr. Alvin YU	5223 6155
Cinotech	Environmental Team Leader	Mr. KS. Lee	2151 2091
Meinhardt	Independent Environmental Checker	Mr. Adi Lee	2859 5443
CSAJV	Contractor	Mr. Brian KAM	9456 9541

2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

2.1 The EM&A Manual designates locations for environmental monitoring in terms of air quality, noise, water quality, ecology and cultural heritage due to the Project. The Project area and monitoring locations are depicted in **Figures 1.1 - 5**. **Appendix A** gives details of monitoring requirements.

Monitoring Methodology and Calibration Details

2.2 Monitoring works/equipment were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the Monthly EM&A Reports.

Environmental Quality Performance Limits (Action and Limit Levels)

2.3 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results. Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Appendix B**.

2.4 Should the monitoring results of the environmental monitoring parameters at any designated monitoring stations indicate that the Action / Limit Levels are exceeded, the actions in accordance with the Event and Action Plans in **Appendix L** was carried out.

Implementation Status of Environmental Mitigation Measures

2.5 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the EM&A Manual for implementation by the Contractor. The implementation status of environmental mitigation measures (EMIS) is given in **Appendix H**.

Site Audit Summary

2.6 During site inspections in the reporting period, no non-compliances was recorded. The observations and recommendations made during the reporting period are summarized in **Appendix G**.

Status of Waste Management

2.7 The amount of wastes generated by the activities of the Work Contracts within Yuen Long Barrage and Nullah Improvement Schemes during the reporting period is shown in **Appendix I**.

3. MONITORING RESULTS

Weather Conditions

3.1 The weather during monitoring sessions was summarized in **Table 3.1**.

Table 3.1 Summary of Weather Conditions in the Reporting Period

Reporting Month	General Weather Conditions
December 2023	Sunny, Cloudy and Rainy
January 2024	Sunny, Cloudy and Rainy
February 2024	Sunny, Cloudy and Rainy

3.2 The detail of weather conditions during the monitoring period was presented in **Appendix N**.

Air Quality

3.3 All 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. The detailed monitoring schedule of 1-hour TSP is shown in **Appendix N**.

3.4 The graphical presentations of the air quality monitoring results are shown in **Appendix C**.

Construction Noise

3.5 All noise monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. The detailed monitoring schedule of construction noise is shown in **Appendix N**.

3.6 The graphical presentations of the air quality monitoring results are shown in **Appendix C**.

Water Quality

December 2023

3.7 There were Twenty-nine (29) Limit Level exceedances recorded at the impact stations in December 2023. However, both exceedances are non-project related.

January 2024

3.8 There were Fourteen (14) Action Level and Twenty-six (26) Limit Level exceedances recorded at the impact stations. However, both exceedances are non-project related.

February 2024

3.9 There were Three (3) Action Level and Forty (40) Limit Level exceedances recorded at the impact stations. However, both exceedances are non-project related.

3.10 The detailed monitoring schedule of water quality is shown in **Appendix N**.

Observation and Exceedance Investigations

3.11 During this reporting month, no obvious discharge from the construction site was observed during the water quality monitoring and site audits. Preparation works was conducted inside the river (e.g. installation of inflatable dam for translocation works) in December 2023, rock dam installation was conducted in January and February 2024, silt curtain was applied for mitigation measures to minimize the adverse impacts in the river. In addition, considering the high suspended solids (SS) and turbidity levels in the original water quality of Shan Pui River and Kam Tin River, there is no direct evidence linking the exceedances to the construction works of the Project.

3.12 Exceedances of turbidity, dissolved oxygen and suspended solids were recorded from various monitoring stations non-specifically among all stations. During the impact water monitoring, it was observed that the water in the Shan Pui River (W1 and W2) was very muddy and turbid, and contained various type of materials, e.g.: debris of plant, soil and general rubbish. The water body of the river was mostly greyish to yellowish and the river bed was invisible throughout the impact monitoring period. The river water was similar to the water observed in the baseline monitoring, there was no significant changes on the river condition during the construction compared to the baseline water quality monitoring result and impact water quality result. As expected from the site observations, exceedances of turbidity and suspended solid were recorded almost every monitoring. In addition, DO exceedances were recorded during the reporting period (January and February 2024). Rock dam, site office installation and pre-drill works were conducted in January 2024, rock and soil filling were conducted in February 2024, none of these works were likely to cause decrease of DO value.

3.13 The graphical presentations of the water quality monitoring results are shown in **Appendix F**.

Ecological Monitoring

3.14 Monthly ecological monitoring, focusing on avifauna species of conservation importance, and overwintering waterbirds utilising wetland habitats along Shan Pui River and Kam Tin River within 500m from the Project boundary should be conducted during construction phase.

3.15 As no construction work within the Kam Tin River, no ecological bird monitoring was conducted in Kam Tin River during the reporting period.

3.16 Ecological monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. The detailed monitoring schedule of ecology is shown in **Appendix N**.

3.17 The T-Test analysis result of abundance of waterbirds and abundance of Avifauna species of conservation importance during the monitoring period shows no significant difference compare to the baseline data. For diversity of waterbirds and diversity of avifauna species of conservation importance, the result on Feb 2024 shows no significant difference to the baseline data. However, the result on Dec & Jan 2024 shows significant increase compare to the baseline data.

3.18 The graphical presentations of the ecological monitoring results are shown in **Appendix M**.

Cultural Heritage Monitoring

3.19 Vibration monitoring should be audit during the construction phase at least once a month. In the event of exceedance, the event / action plan according to the Condition Survey Report should be followed.

3.20 As no heavy vibration work within the reporting period (e.g. piling), no vibration monitoring was conducted. No monitoring equipment was used.

Landscape and Visual Monitoring and Audit

3.21 The implementation of landscape and visual mitigation measures was checked during the environmental site inspections. Recommended follow-up actions have been discharged by the Contractor. Details of the audit findings and implementation status are presented in **Appendix G**.

Waste Management

3.22 Wastes generated from this Project include inert construction and demolition (C&D) materials, non-inert C&D materials, and marine sediments. Details of waste management data are presented in **Appendix H.**

Fisheries

3.23 According to the Updated EM&A Manual, no fisheries monitoring is required for the Project.

3.24 Site audit was carried out on a weekly basis to monitor and audit the timely implementation of fisheries mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Appendix G**.

4. NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS)

Summary of Exceedances

4.1 Environmental monitoring works were performed during the reporting period and all monitoring results were checked and reviewed. A summary of exceedances is attached in **Appendix J**.

Air Quality Monitoring for Construction Dust

4.2 No Action/Limit Level exceedance was recorded for 1-hour TSP monitoring.

Air Quality Monitoring for Odour Patrol

4.3 No Action/Limit Level exceedance was recorded as no monitoring was conducted during the reporting period.

Construction Noise Monitoring

4.4 No Action Level exceedance was recorded for documented complaints.

4.5 No project-related Limit Level exceedance was recorded due to the monitoring results.

Water Quality Monitoring

4.6 Seventeen (17) Action Level exceedance and Ninety-five (95) Limit Level exceedances were recorded in the reporting period.

Ecological Monitoring

4.7 No exceedance was recorded for ecological monitoring.

Fisheries

4.8 No fisheries monitoring is required according to the Updated EM&A Manual.

Cultural Heritage

4.9 No exceedance for cultural heritage monitoring was recorded.

Landscape and Visual

4.10 No non-conformity for landscape and visual was recorded during site inspection.

Review of the Reasons for and the Implications of Non-compliance

4.13 During site audits in the reporting period, no non-compliance was recorded. Recommendations made in each individual site audit session were attached in the **Appendix G**.

Summary of Environmental Complaints and Prosecutions

4.14 No environmental complaints on this Project were received in the reporting period. The details were attached in **Appendix K**.

4.15 No environmental prosecution was received in the reporting period.

5. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

Effectiveness of Mitigation Measures

5.1 The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.

5.2 The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.

5.3 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed.

5.4 The summary record of non-compliance (exceedances) of Action/Limit Level for environmental monitoring in the reporting period has been presented in **Table II** above and in **Appendix J**.

5.5 No environmental complaints were received in the reporting period. The details were attached in the **Appendix K**.

5.6 No warning, notification of summon and environmental prosecution was received in the reporting period. The details were attached in the **Appendix K**.

Recommendations

5.7 Joint weekly site audits by the representatives of the Engineer, Contractor and the ET were conducted in the reporting period. The following recommendations was made to the Contractor for the coming reporting month:

Air Quality Impact

- To regularly apply watering on dry surface should be applied to minimize erosion.
- To water materials before loading/unloading.
- To turn off idle equipment.

Construction Noise

- To provide sufficient noise barriers for noisy PMEs.
- To place compatible noise barrier close to the breaking point for effective noise screening.

Water Quality Impact

- To clear the oil slick and check for any damage of the silt curtain.
- To repair damaged or missing silt curtain.
- To check whether the curtain has been set to the nullah.
- To ensure that the pumping rate of bored pile is sufficient to avoid discharging waste water into the nullah.
- To clear floating refuse between the cofferdam and silt curtain.
- To clear oil slick within and outside cofferdam.
- To control the amount of loading materials in the barge to avoiding spillage.
- To cover stockpile near nullah.

- To remove wastewater and oil in drip tray.
- To remove pond/still water.

Waste/Chemical Management

- To bund or lock the chemical storage area.
- To clear dripping oil from bored piling machine.
- To clear oil slick on nullah.
- To clear oil on the floor.

Landscape and Visual

- To avoid placing any construction materials in the tree protection zone.

Ecology

- To avoid construction process near the nullah for minimizing the impact to the water birds.

APPENDIX A
MONITORING REQUIREMENTS

Appendix A - Environmental Impact Monitoring Requirements

Table I – Air Quality Monitoring

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Air Quality	1 hour TSP	Three times / 6 days	• AM1 – Fortune Pharmacal Co. Ltd • AM2 – Shan Pui Chung Hau Tsuen • AM3 – Nin Jiom Medicine Manufactory Limited • AM4 – HK School of Motoring Safety Centre	• AM1 – Rooftop (4/F) • AM2 – Ground (G/F) • AM3 – Ground (G/F) • AM4 – Ground (G/F)

Table II – Noise Monitoring

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Construction Noise	L_{eq}, L_{90} & L_{10} at 30 minute intervals during 0700 to 1900 on normal weekdays	Once per week	• CM1 - Shan Pui Chung Hau Tsuen • CM2 - Caritas Yuen Long Chan Chun Ha Secondary School • CM3 - Ma Tin Tsuen • CM4 - Tung Tau Wai San Tsuen • CM5 - Twin Regency • CM6 - Tai Kiu Tsuen • CM7 - CCC Chun Kwong Primary School	• CM1 - Ground (G/F) • CM2 - Rooftop (6/F) • CM3 - Ground (G/F) • CM4 - Ground (G/F) • CM5 - Rooftop (27/F) • CM6 - Ground (G/F) • CM7 - Ground (G/F)

Table III – Water Quality Monitoring

Monitoring Stations	Parameters, unit	Depth	Frequency
Marine Water Quality			
W1 W2 C1 C2 UM DM	*In-situ*: • Temperature(°C) • pH (pH units) • Turbidity (NTU) • Water depth (cm) • Salinity (ppt) • Dissolved oxygen (DO) (mg/L and % of saturation) Laboratory Testing: • Suspended solids (SS) (mg/L)	W1-W2, C1-C2, UM-DM • 3 water depths: 1m below water surface, mid-depth and 1m above sea bed. • If the water depth is less than 3m, mid-depth sampling only. • If the water depth is less than 6m, omit mid-depth sampling. M6 • At the vertical level where the water abstraction point of the intake is located(i.e. approximately mid-depth level)	3 days per week / 2 per monitoring day (1 for mid-ebb and 1 for mid-flood)

Table IV – Ecological Monitoring

Type of Monitoring	Parameters	Frequency
Ecological Monitoring		
Transect Walk Method	Number of species recorded Abundance of each species recorded Habitat type of the location of individuals recorded	Once per month, when the tidal level at the time of the survey is generally 1.5m or below
Point Count Method		

APPENDIX B
ACTION AND LIMIT LEVELS

Appendix B – Action and Limit Levels

Air Quality

1-hr TSP

Monitoring Stations	Action Level, µg/m^3	Limit Level, µg/m^3
AM1	263	500
AM2	268	
AM3	288	
AM4	286	

Odour Patrol

Monitoring Stations	Action Level	Limit Level
ALL	• Odour intensity ≥ baseline odour intensity recorded on 1 patrol; or • One documented complaint received	• Odour intensity ≥ baseline odour intensity recorded on 2 consecutive patrols (a)

Note:

(a) Limit level is triggered even if exceedance of odour intensity is recorded at a different Odour Patrol Checking Point on the second patrol.

Noise

Monitoring Stations	Action Level	Limit Level
M-N3	• When one documented complaint is received	• 75 dB(A) for residential • 70dB(A) for schools • 65 dB(A) during school examination periods

Water Quality

Parameters	Action Level	Limit Level
pH	N/A	<6.5 or >8.5
DO in mg/L	**Station W1**	
	≤ 2.1	≤ 2.1
	Station W2 (Ebb Tide) (Impact)	
	≤ 3.3	≤ 3.3
Turbidity in NTU	**Station W1**	
	≥ 42.6 or 120% of upstream control station.	≥ 45.5 or 130% of upstream control station.
	Station W2 (Ebb Tide) (Impact)	
	≥ 97.2 or 120% of upstream control station.	≥ 111.3 or 130% of upstream control station.
SS in mg/L	**Station W1**	
	≥ 44.2 or 120% of upstream control station.	≥ 44.4 or 130% of upstream control station.
	Station W2 (Ebb Tide) (Impact)	
	≥ 126.3 or 120% of upstream control station.	≥ 132.9 or 130% of upstream control station.

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. Average concentrations with duplicates have been adopted in the calculation.
4. The calculated action/limit levels of DO are the same after correcting to the nearest 0.1mg/L.

Ecology

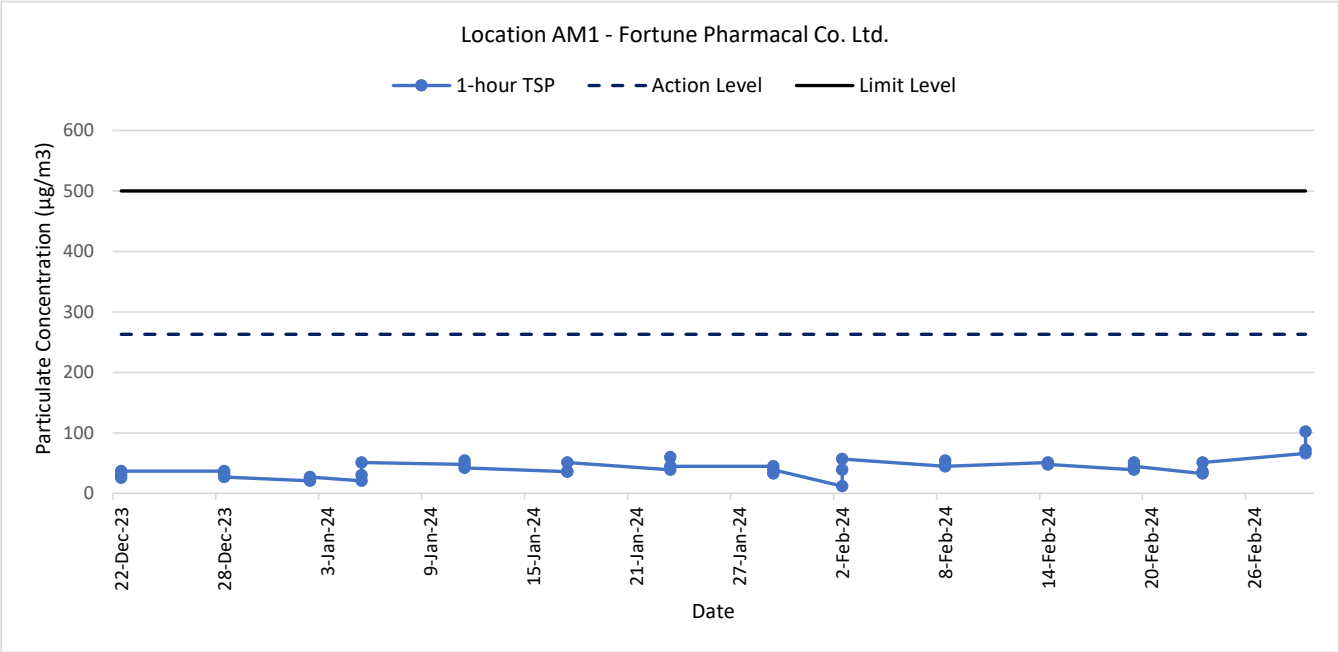
Event	Action Level	Limit Level
Abundance of Waterbirds in the Concerned River	Significant decrease when compared to the baseline data in the same month for one time	Significant decrease when compared to the baseline data in the same month three times in a row
Species Diversity of Waterbirds in the Concerned River		
Abundance of Avifauna Species of Conservation Importance in the Concerned River		
Species Diversity of Avifauna Species of Conservation Importance in the Concerned River		

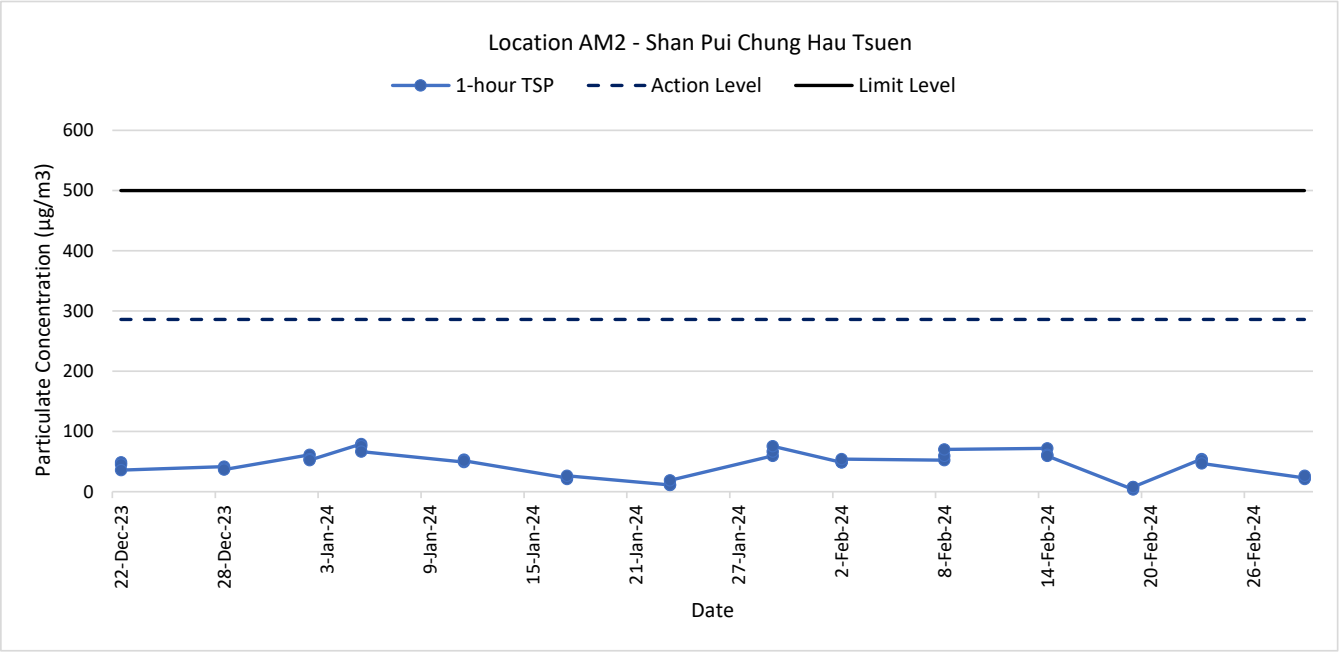
Alert, Alarm, Action Levels for Cultural Heritage Monitoring

Parameter	Alert Level	Alarm Level	Action Level
Vibration	ppv: 5 mm/s	ppv: 6 mm/s	ppv: 7.5 mm/s Maximum Allowable Vibration Amplitude: 0.1mm

APPENDIX C
GRAPHICAL PRESENTATION OF 1 HOUR TSP MONITORING RESULTS

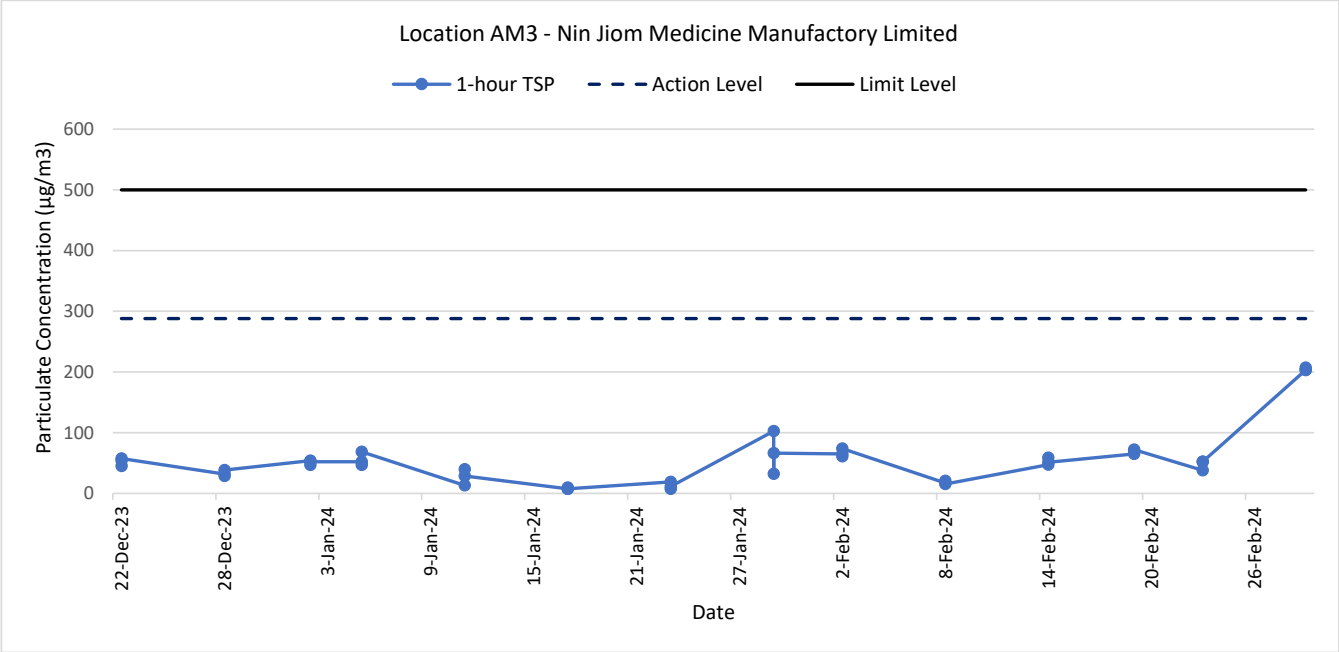
1-hr TSP Concentration Levels

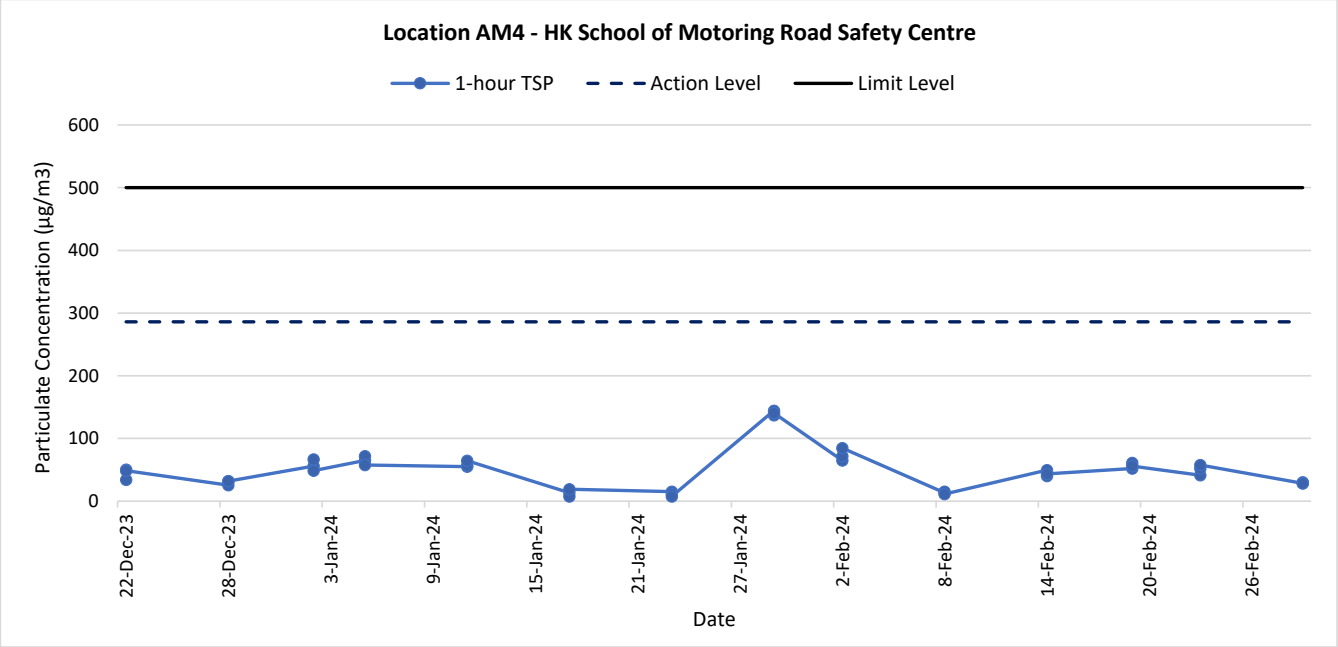




Title	Date	Project No.
Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes	Feb 2024	MA23101
Graphical Presentation of 1-hour TSP Monitoring Results		Appendix C

1-hr TSP Concentration Levels

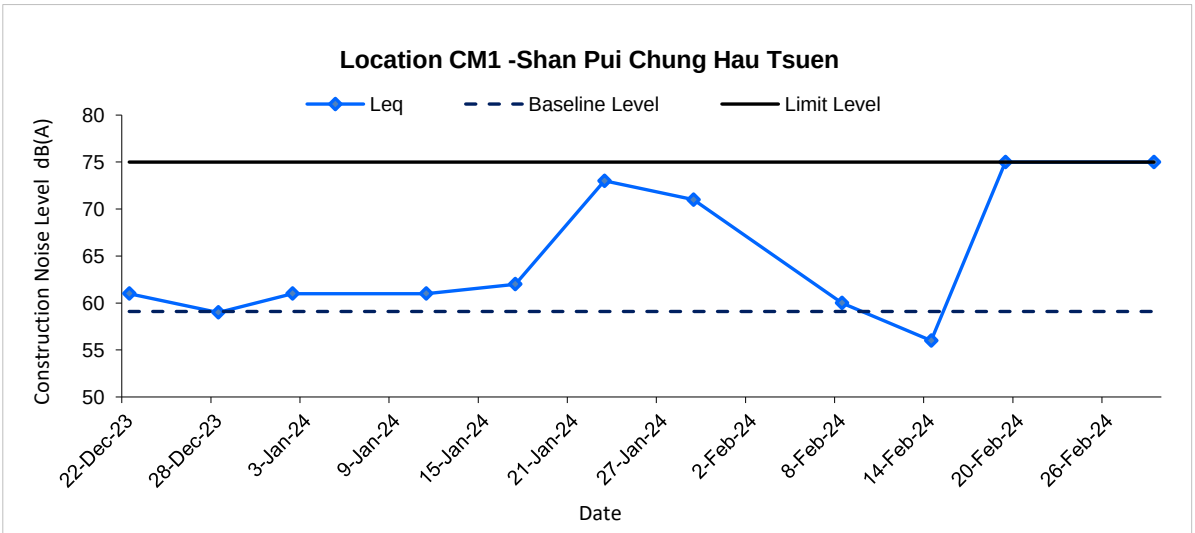




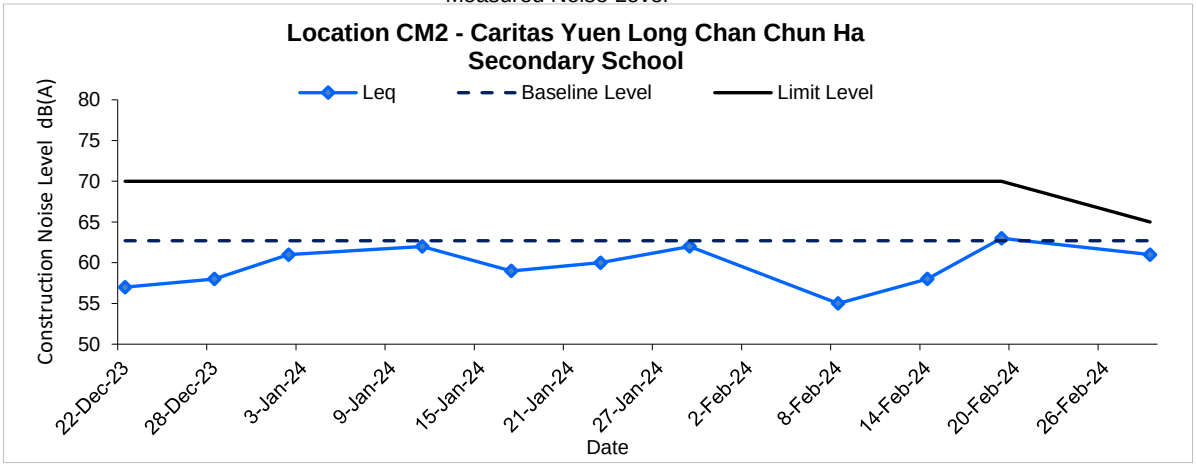
Title	Date	Project No.	
Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes	Feb 2024	MA23101	CINOTECH
Graphical Presentation of 1-hour TSP Monitoring Results		Appendix C	

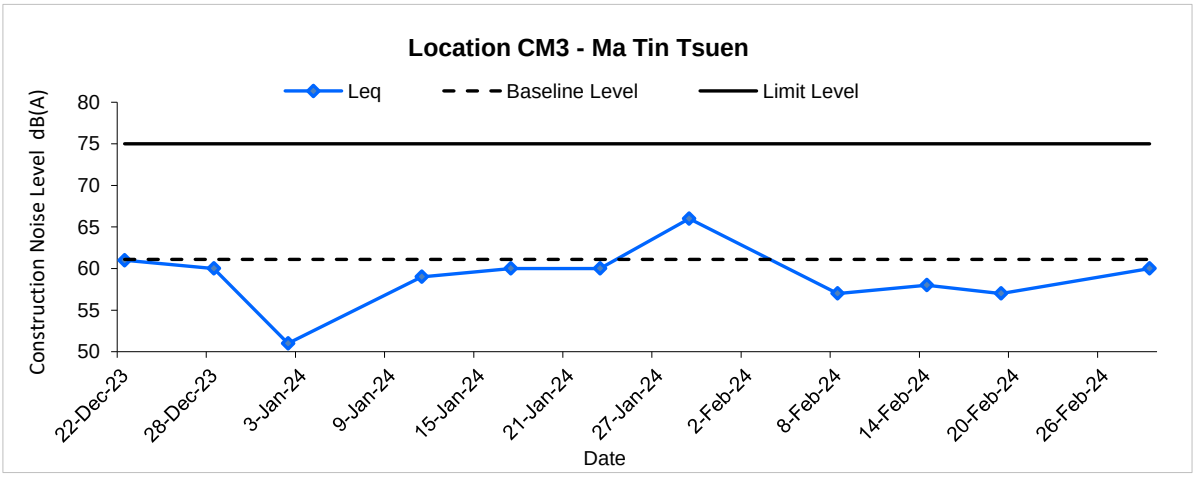
APPENDIX D
GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS

Noise Levels



Measured Noise Level





Title		Date	Project
Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Construction Noise Monitoring Results		Feb 2023	No. MA23101
		Page 1 of 3	Appendix D

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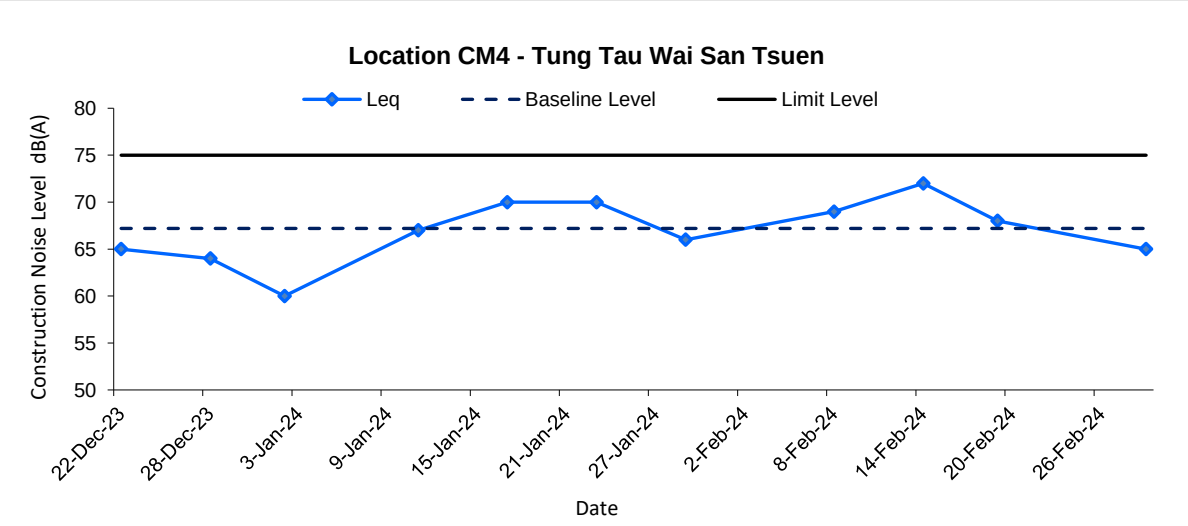
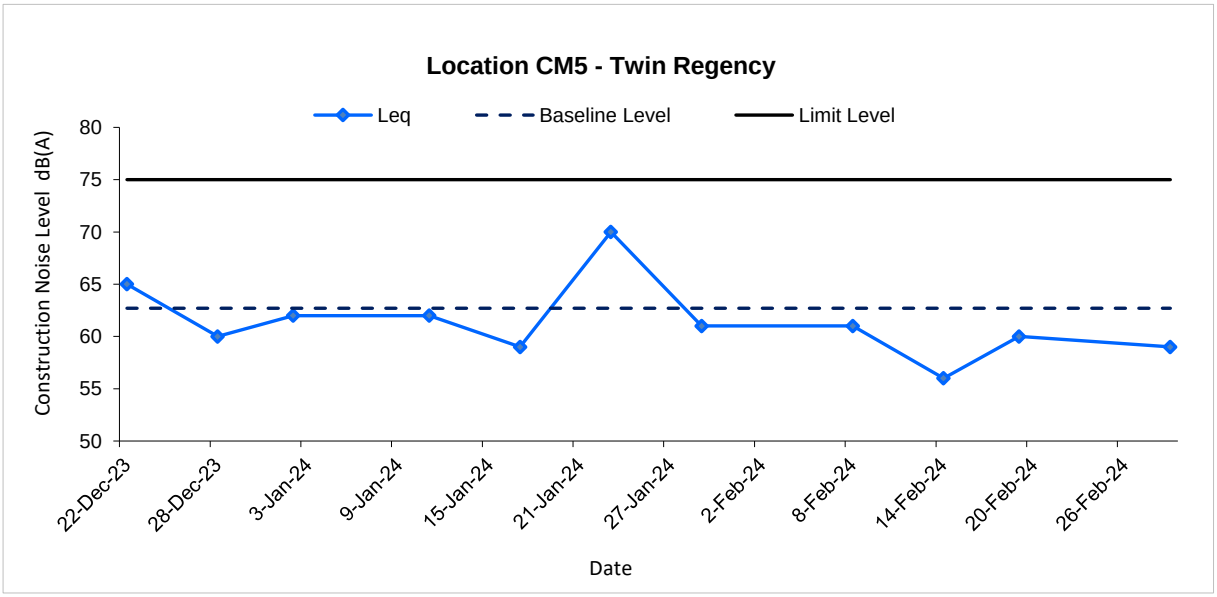
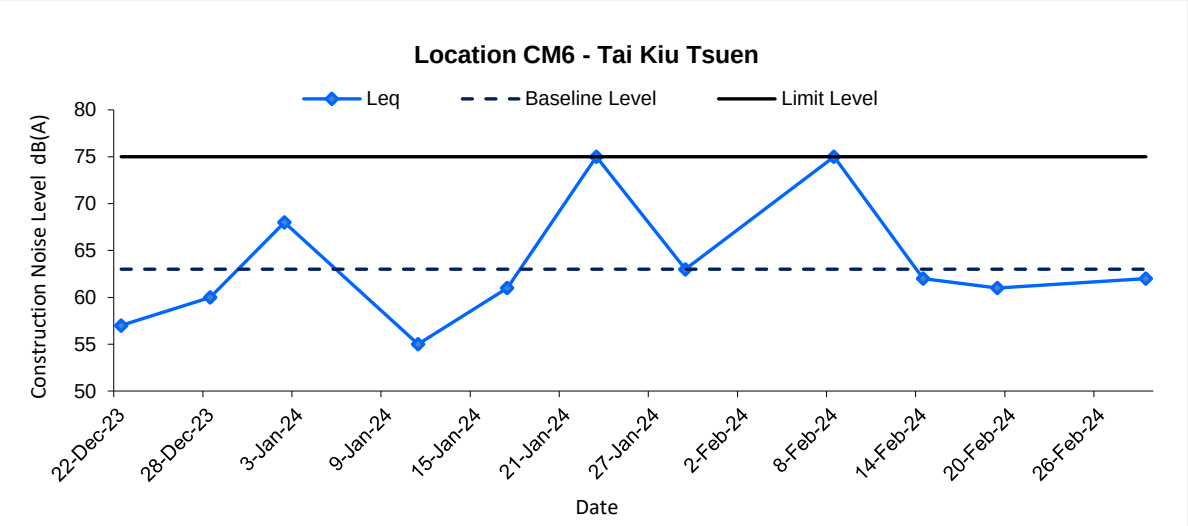
Noise Levels

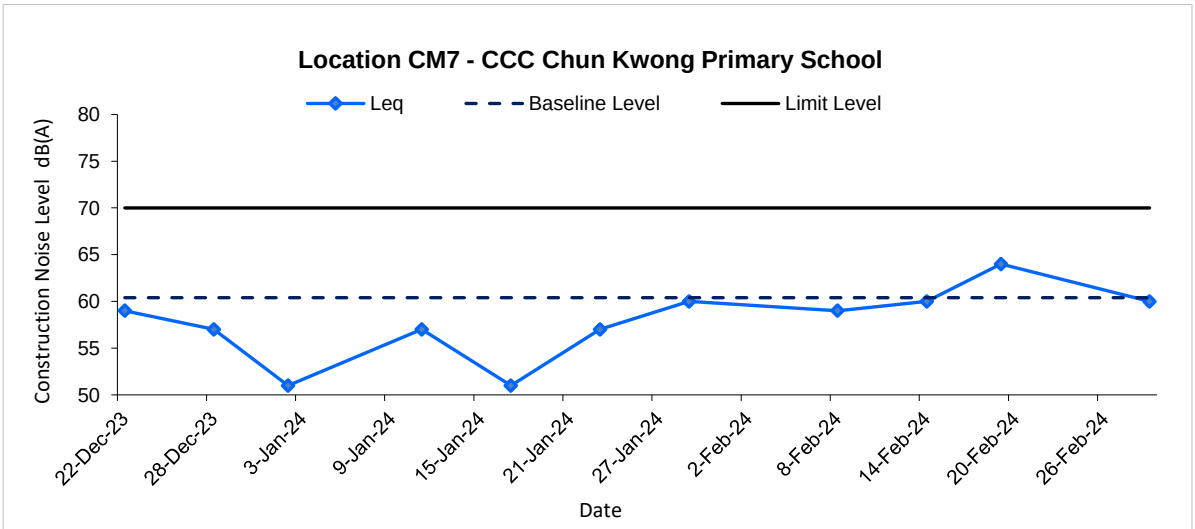




Title		Date	Project	
Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Construction Noise Monitoring Results		Feb 2023	No. MA23101	CINOTECH
		Page 2 of 3	Appendix D	

Noise Levels





Title	Date	Project
Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Construction Noise Monitoring Results	Feb 2023	No. MA23101
	Page 3 of 3	Appendix D

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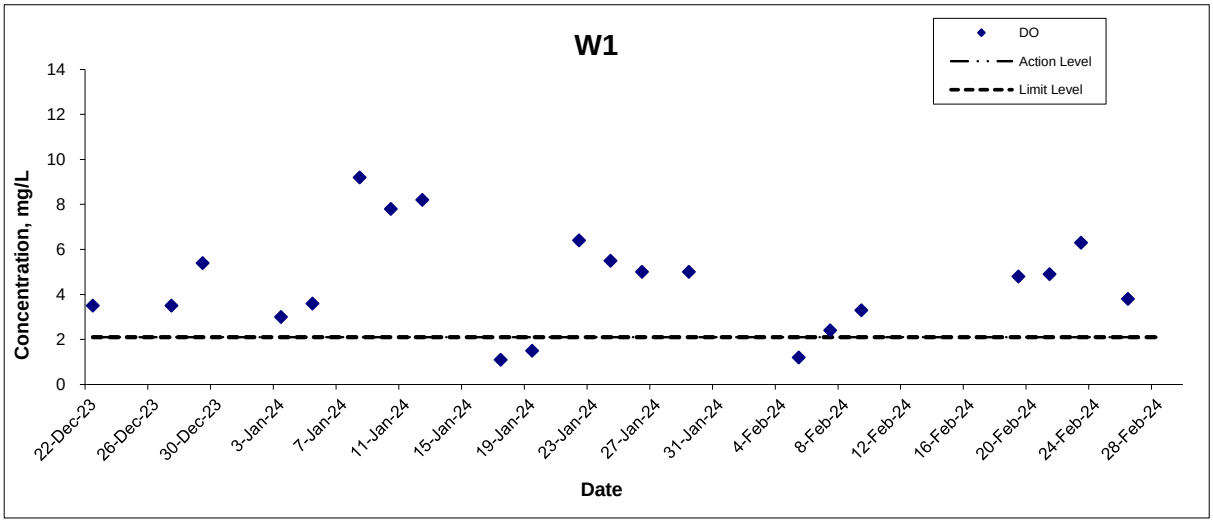
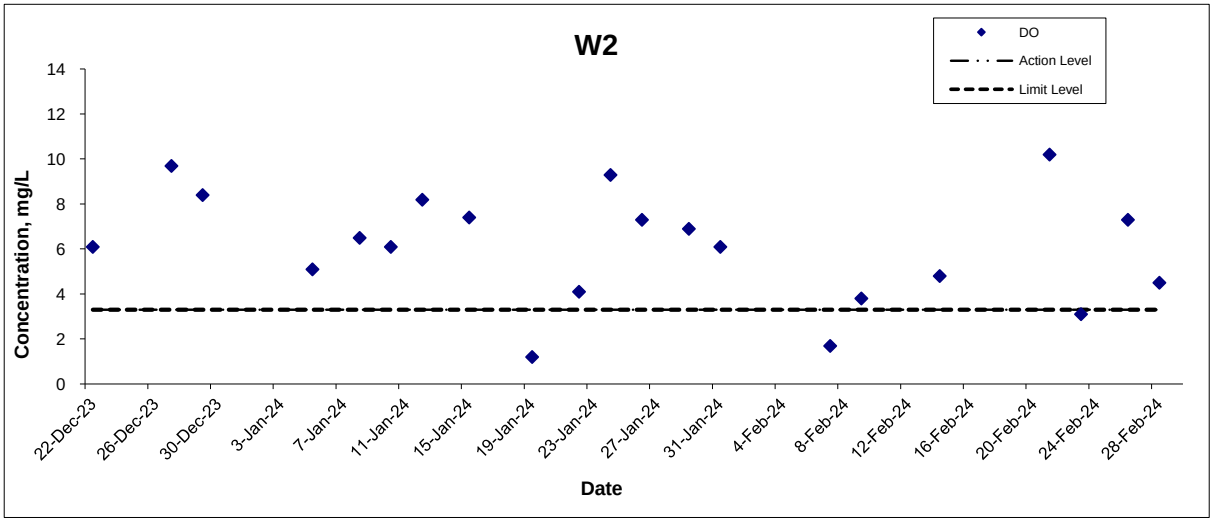
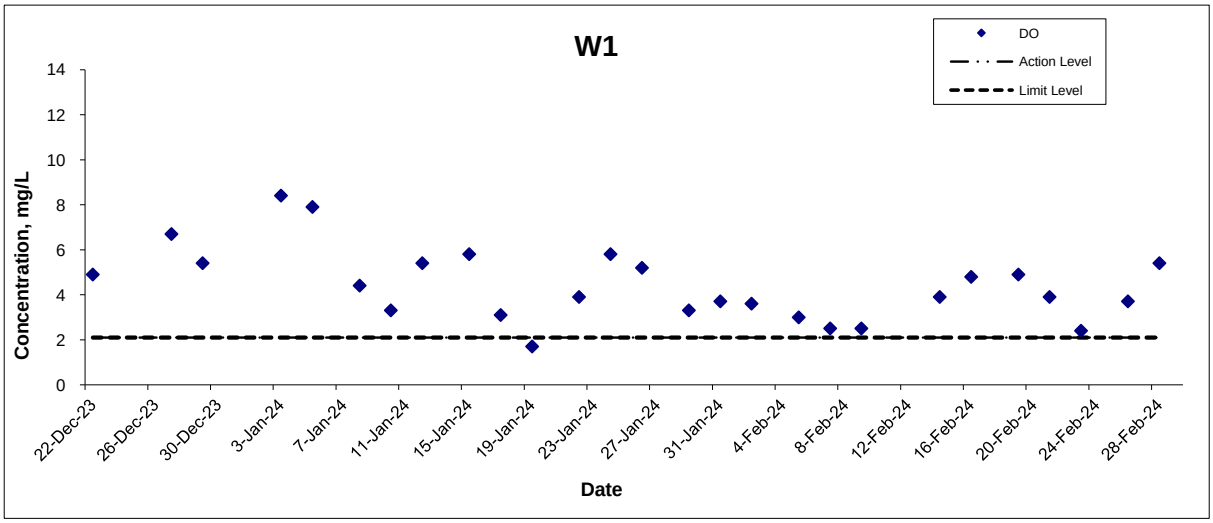
APPENDIX F
GRAPHICAL PRESENTATION OF WATER QUALITY MONITORING RESULTS

Dissolved Oxygen (Depth-Averaged) at Mid-Ebb Tide



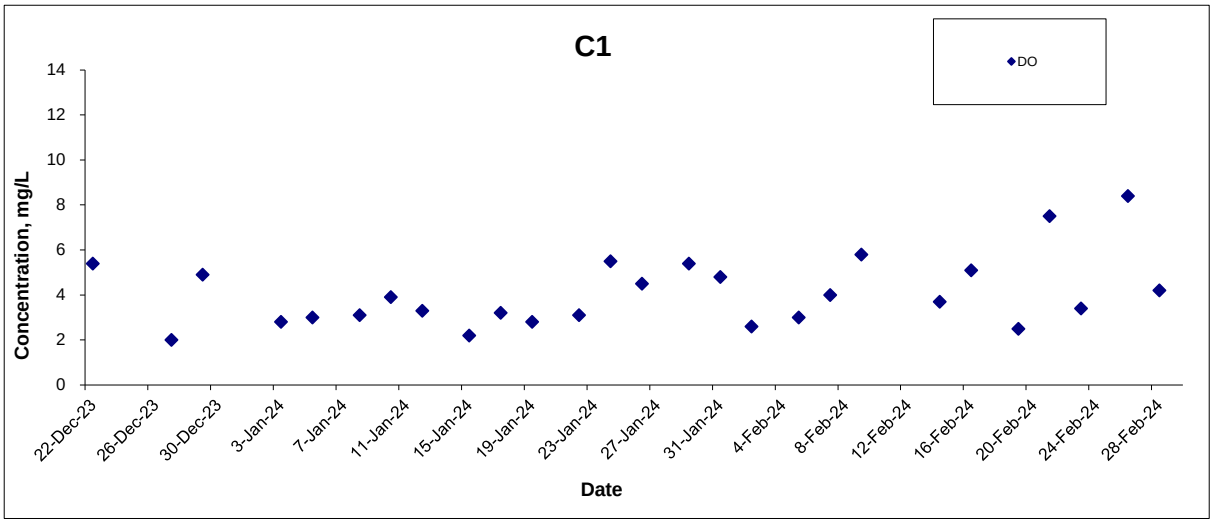


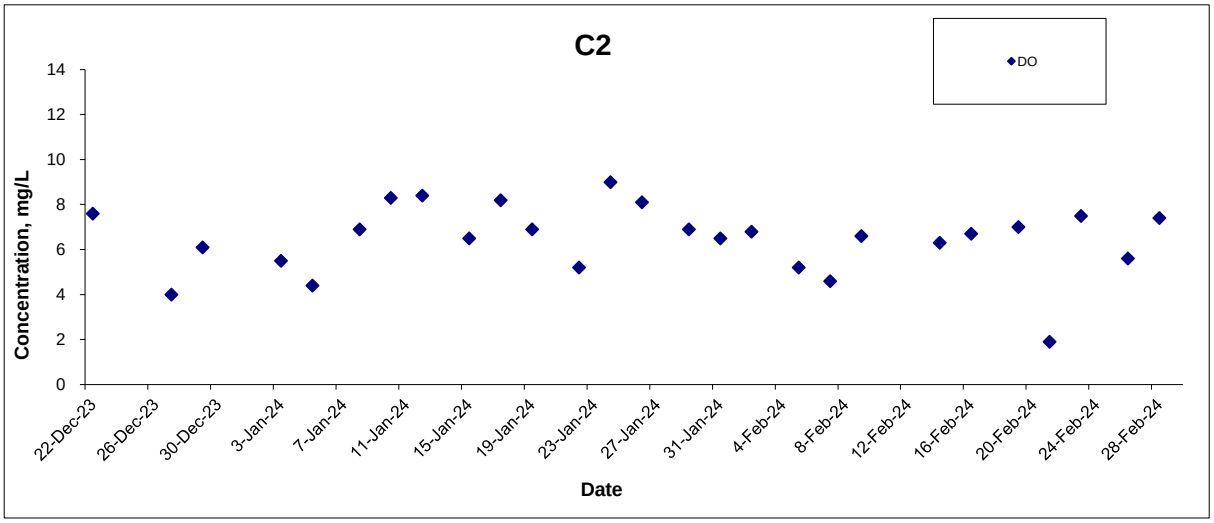
Dissolved Oxygen (Depth-Averaged) at Mid-Flood Tide

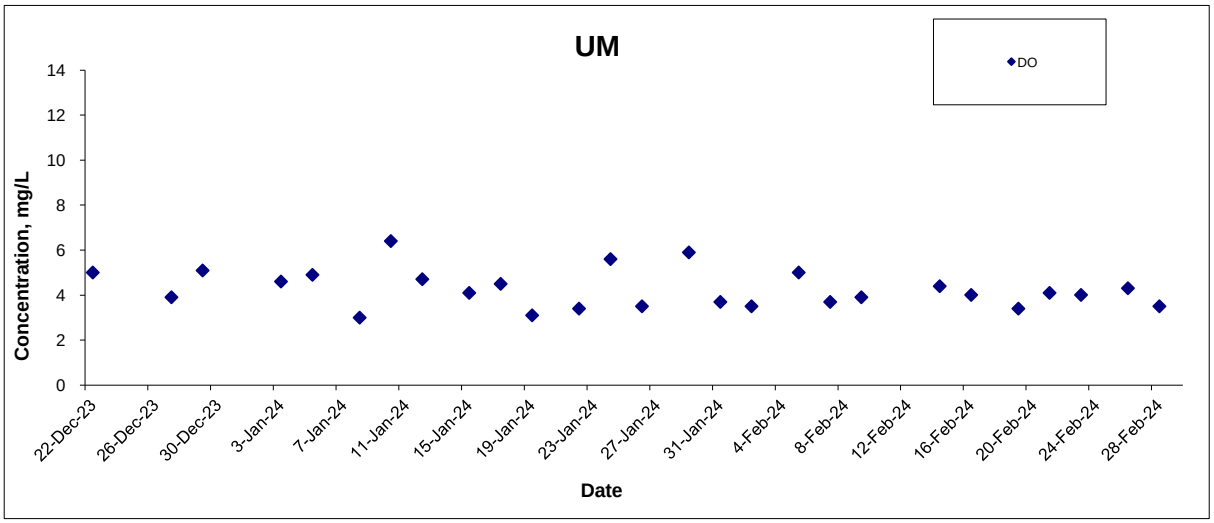


Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

Dissolved Oxygen (Depth-Averaged) at Control Stations

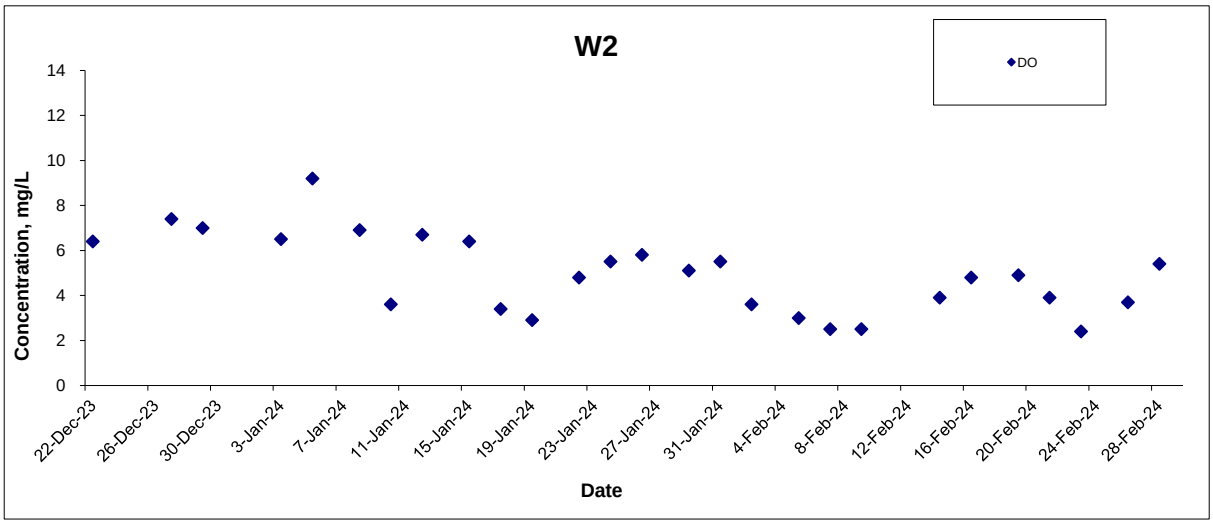






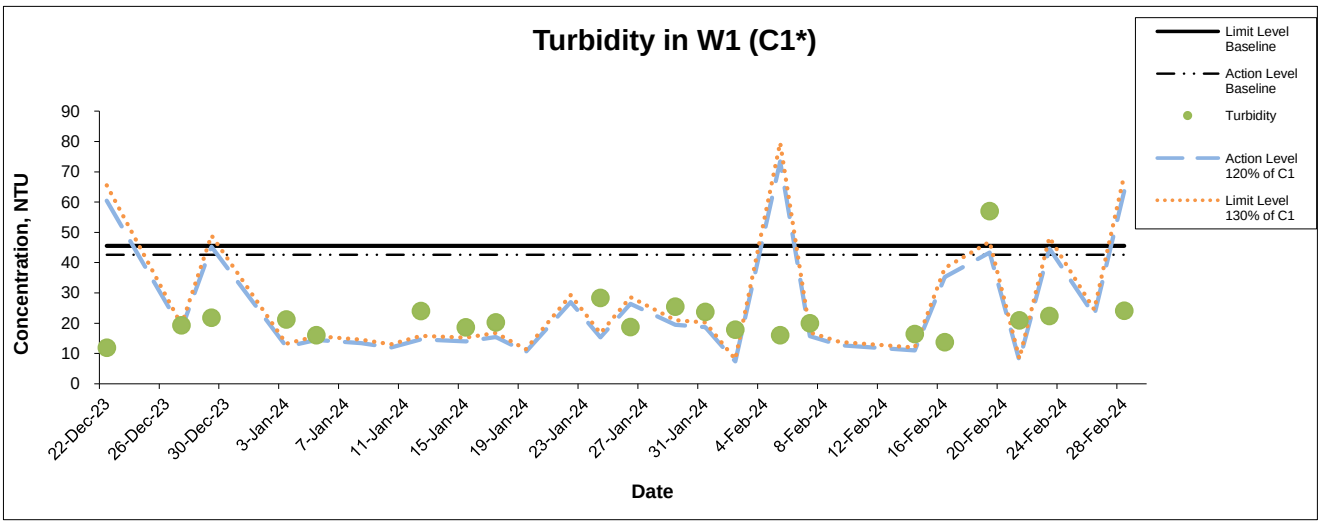
Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

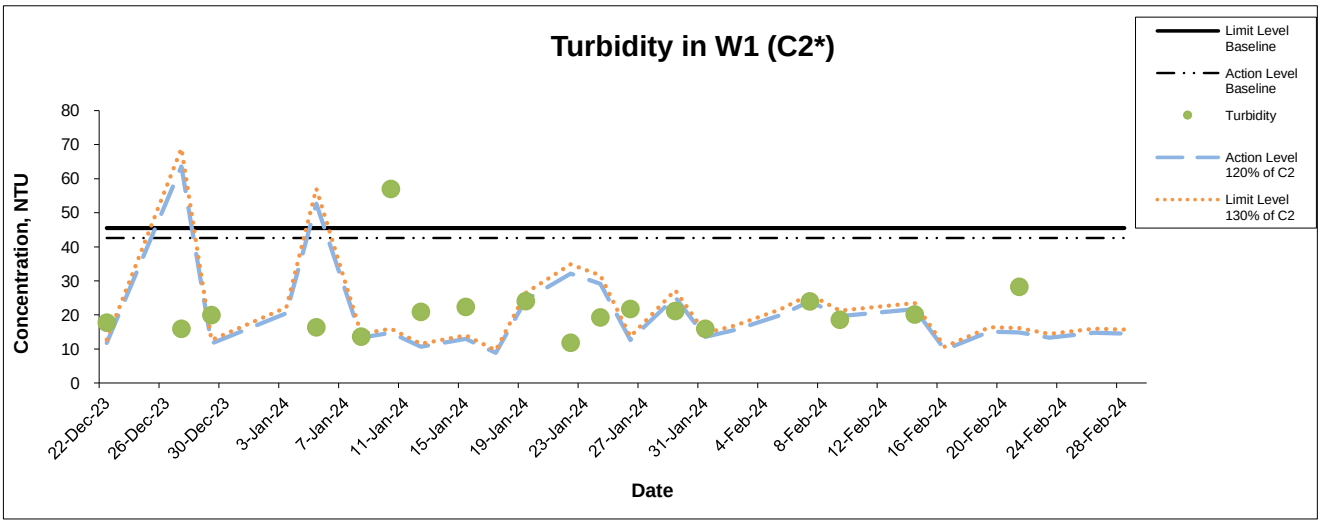
Dissolved Oxygen (Depth-Averaged) at Control Stations

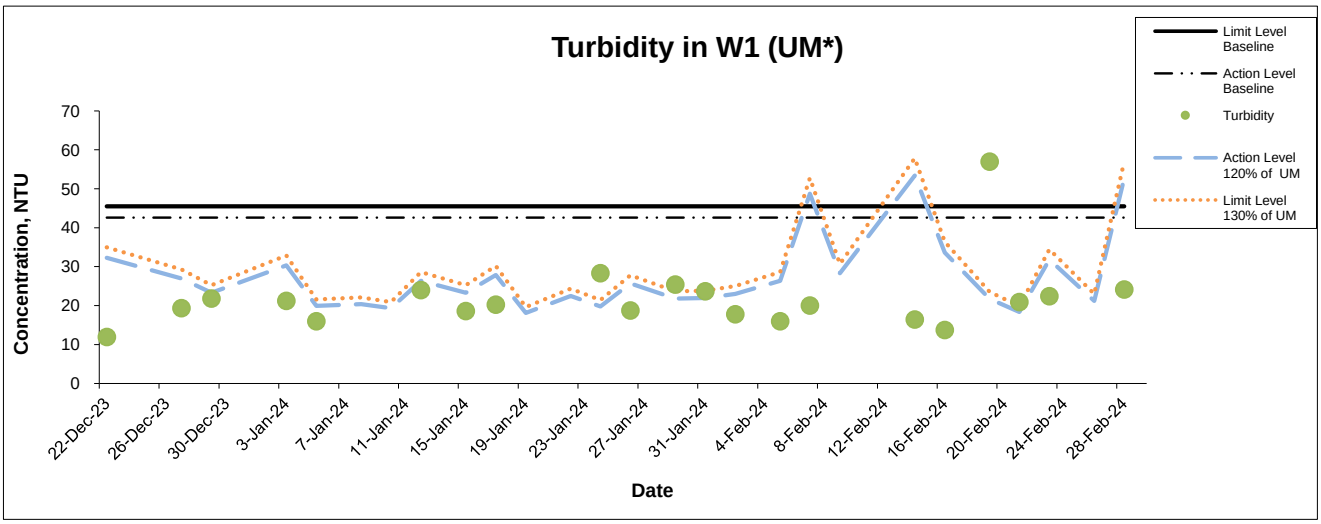


Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Turbidity (Depth-Averaged) at Mid-Ebb Tide



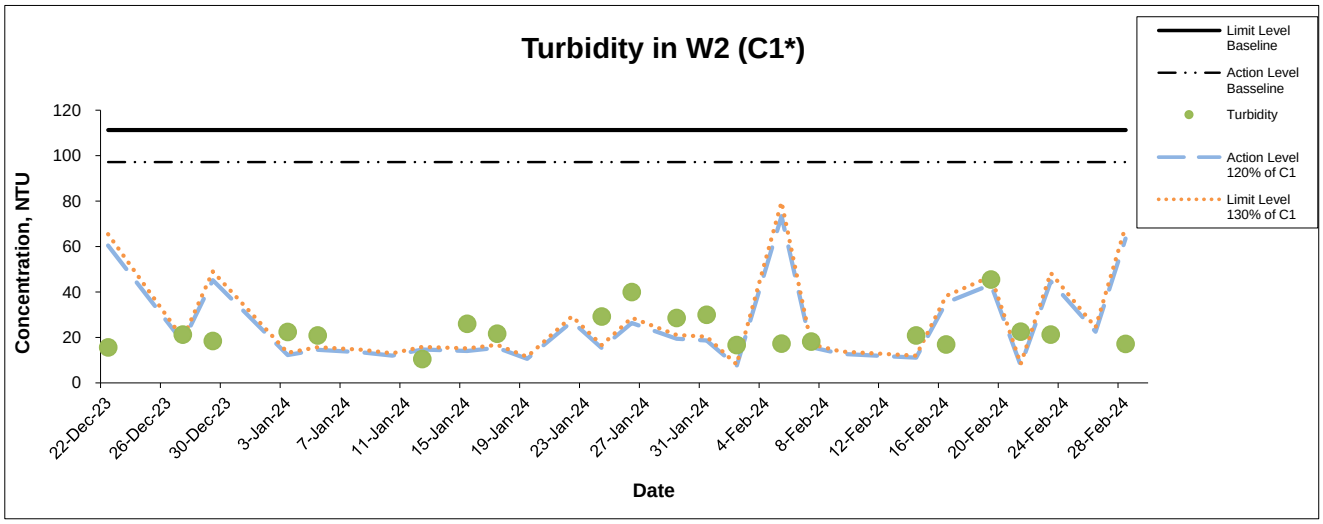


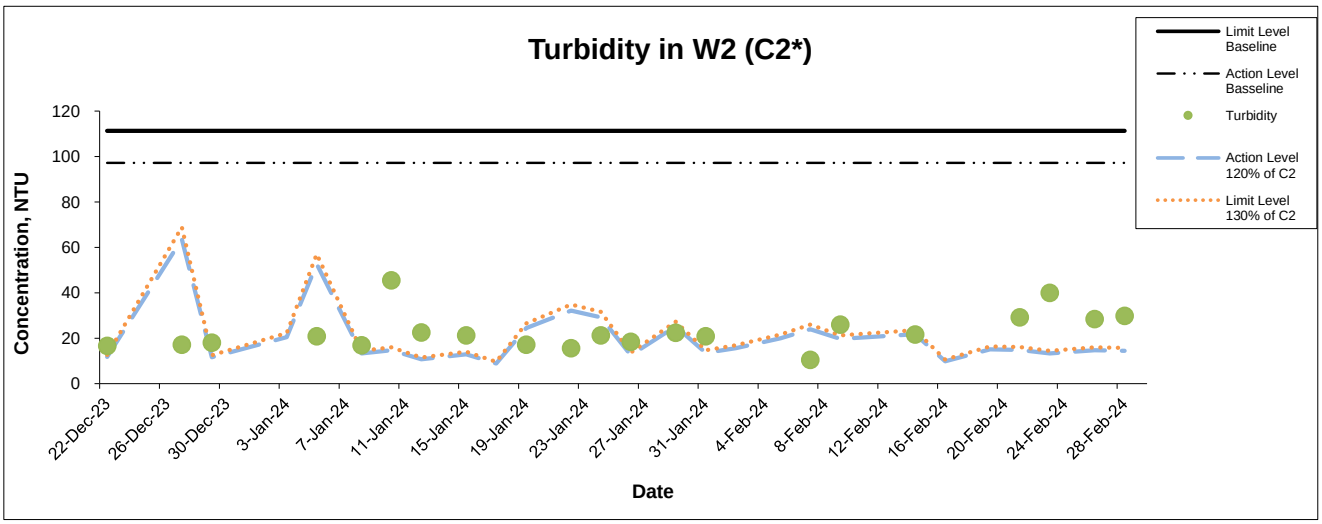


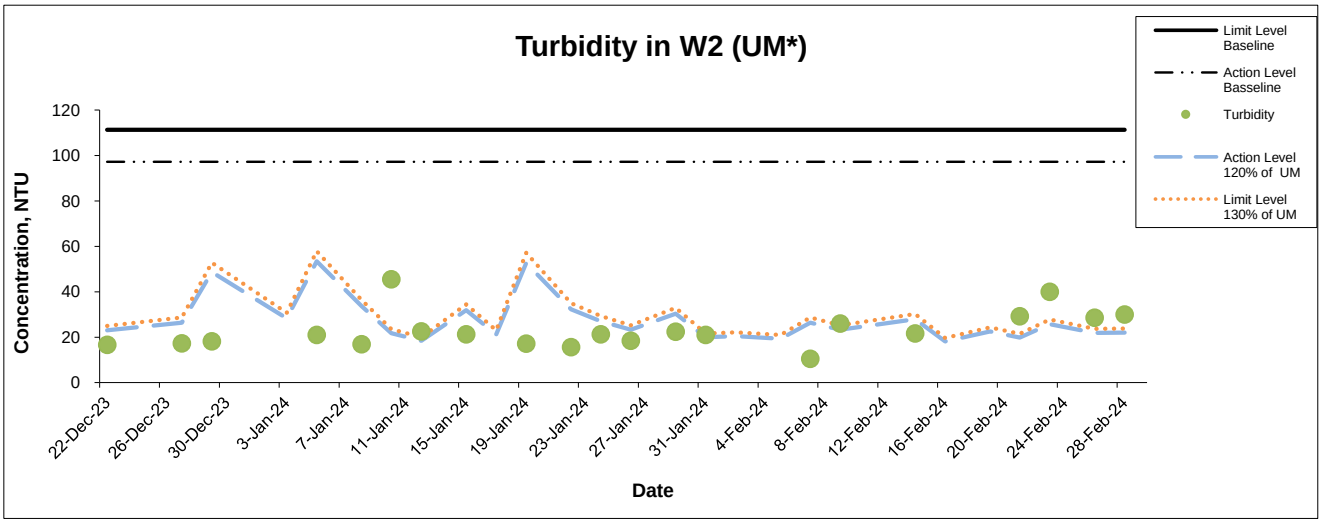
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Turbidity (Depth-Averaged) at Mid-Ebb Tide



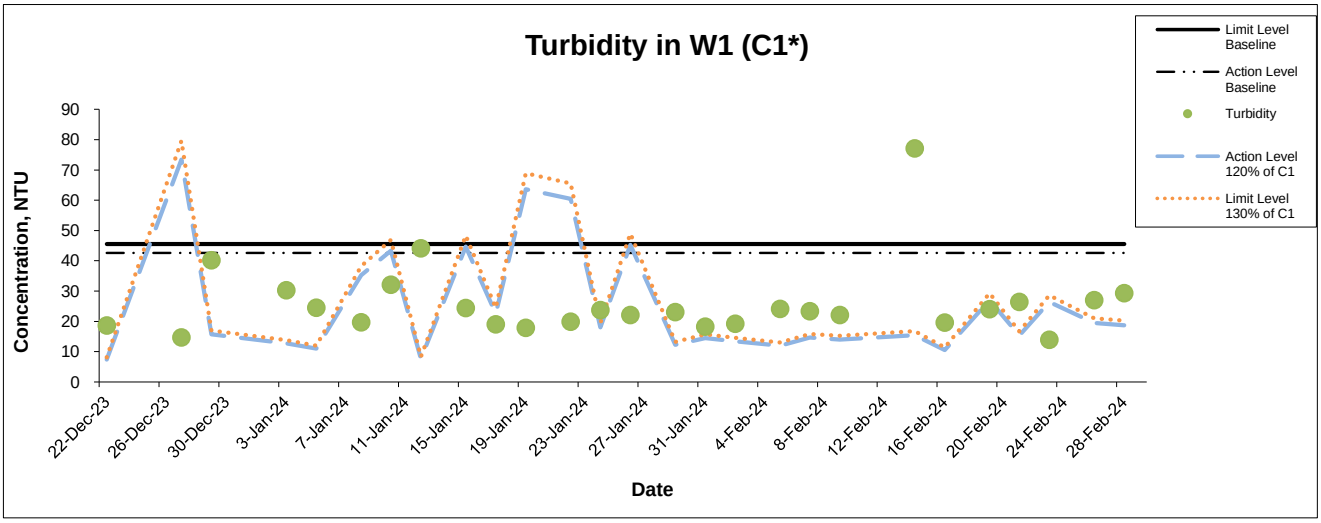


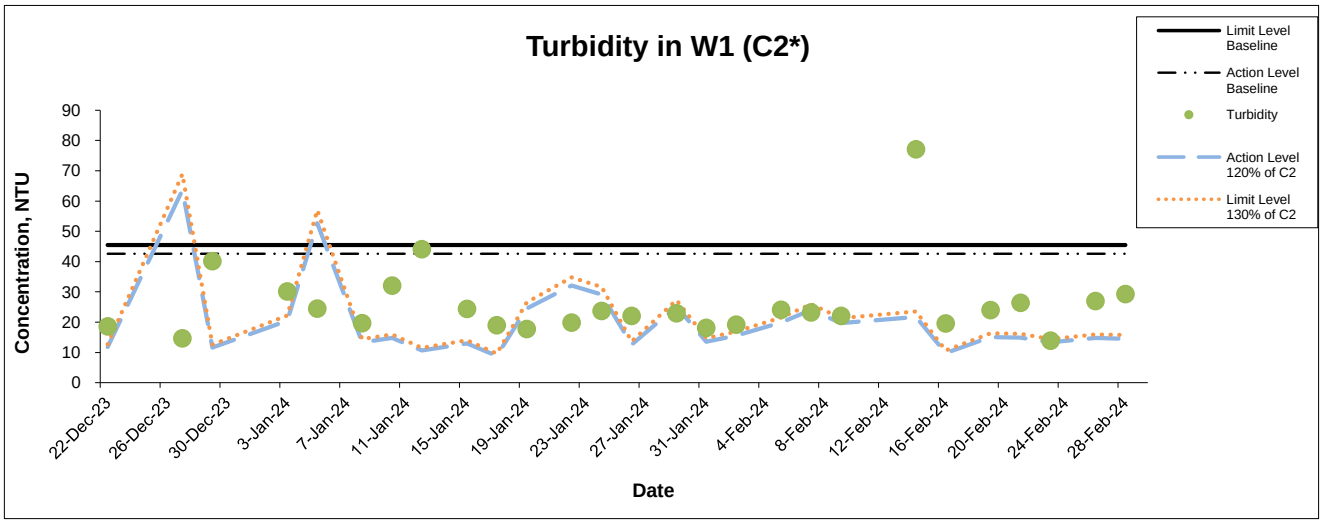


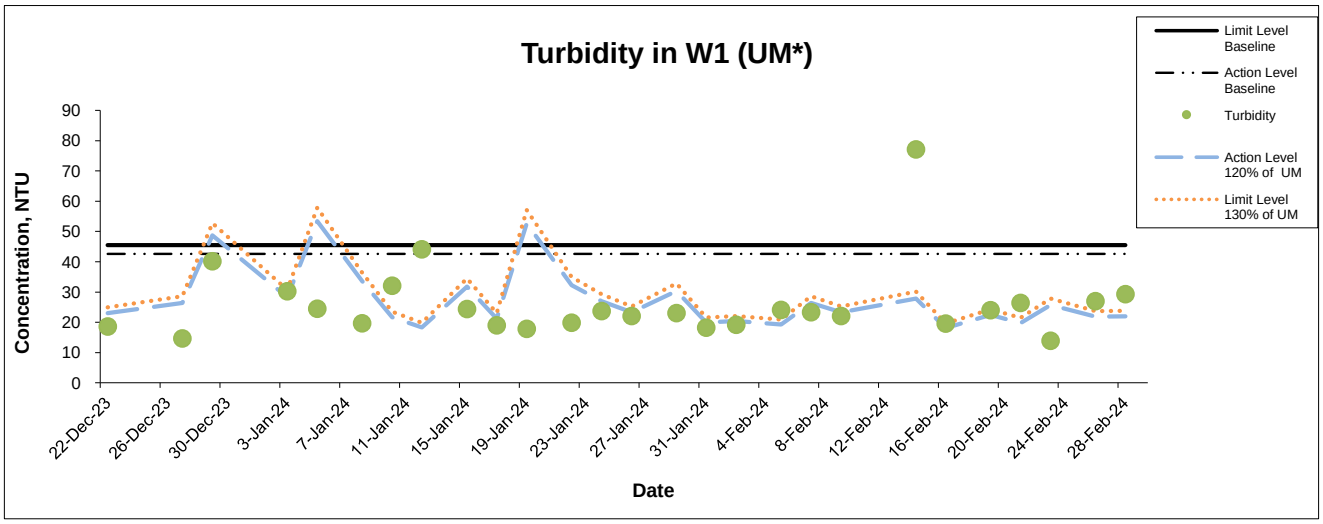
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

Turbidity (Depth-Averaged) at Mid-Flood Tide



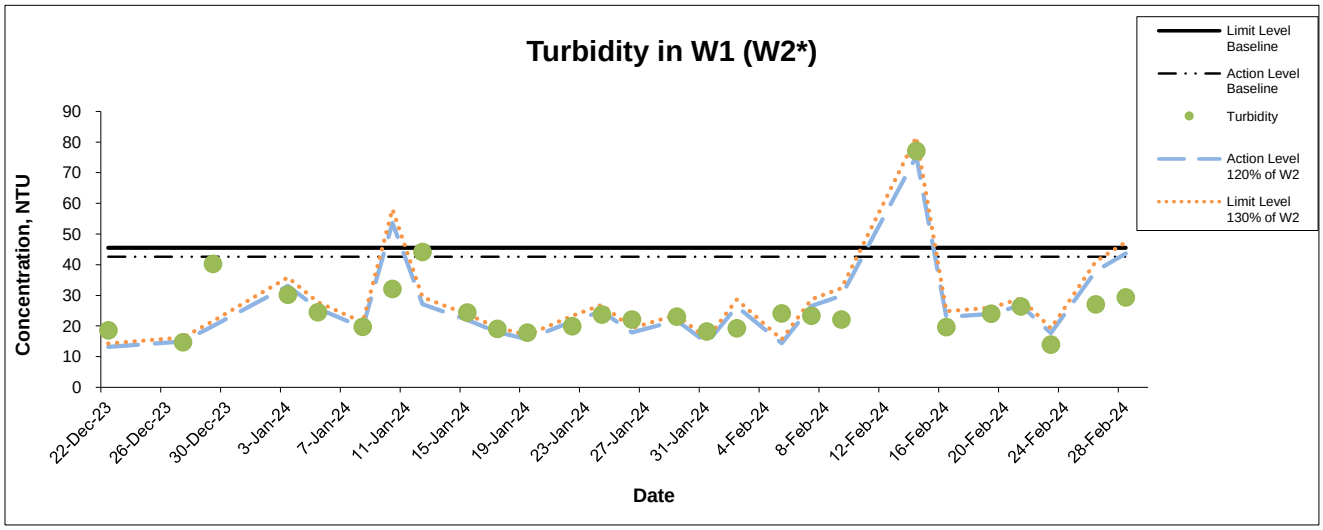




*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

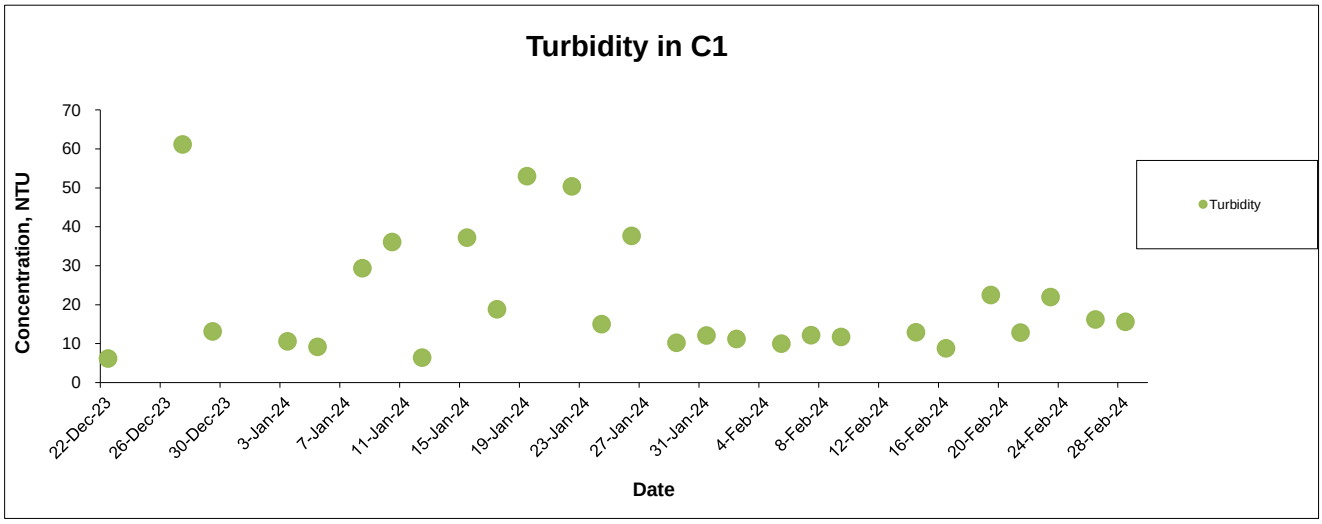
Turbidity (Depth-Averaged) at Mid-Flood Tide

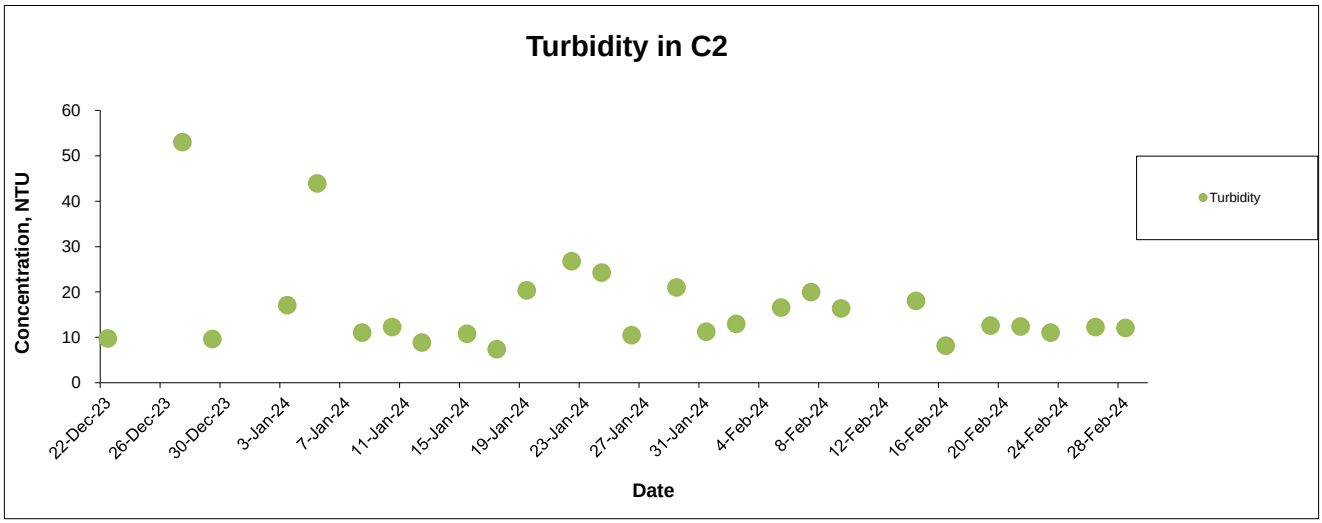


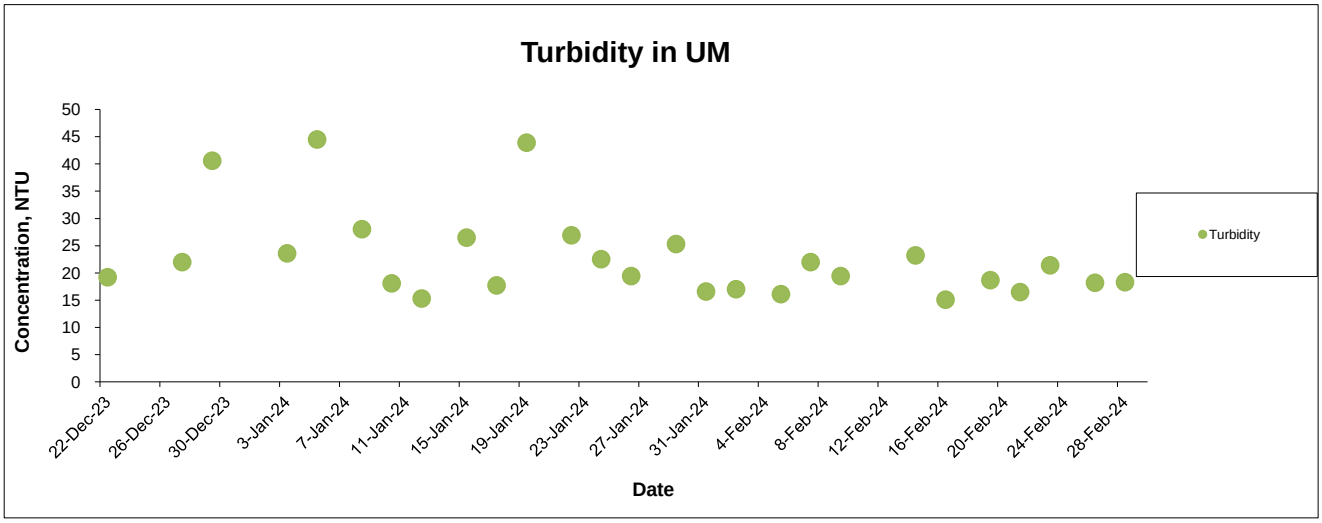
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Turbidity (Depth-Averaged) at Control Stations

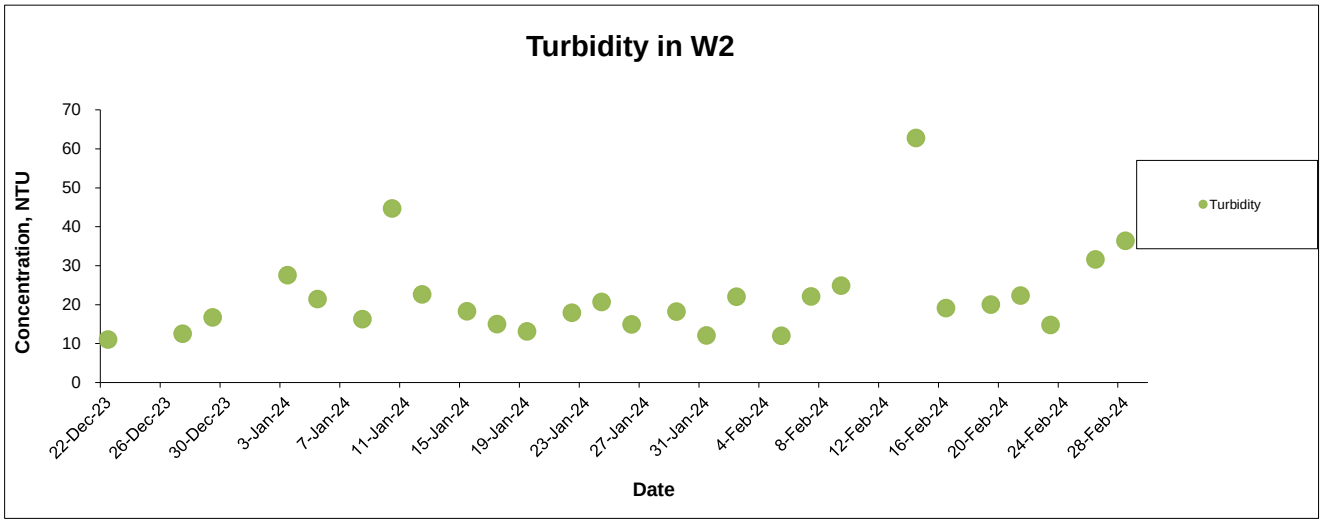






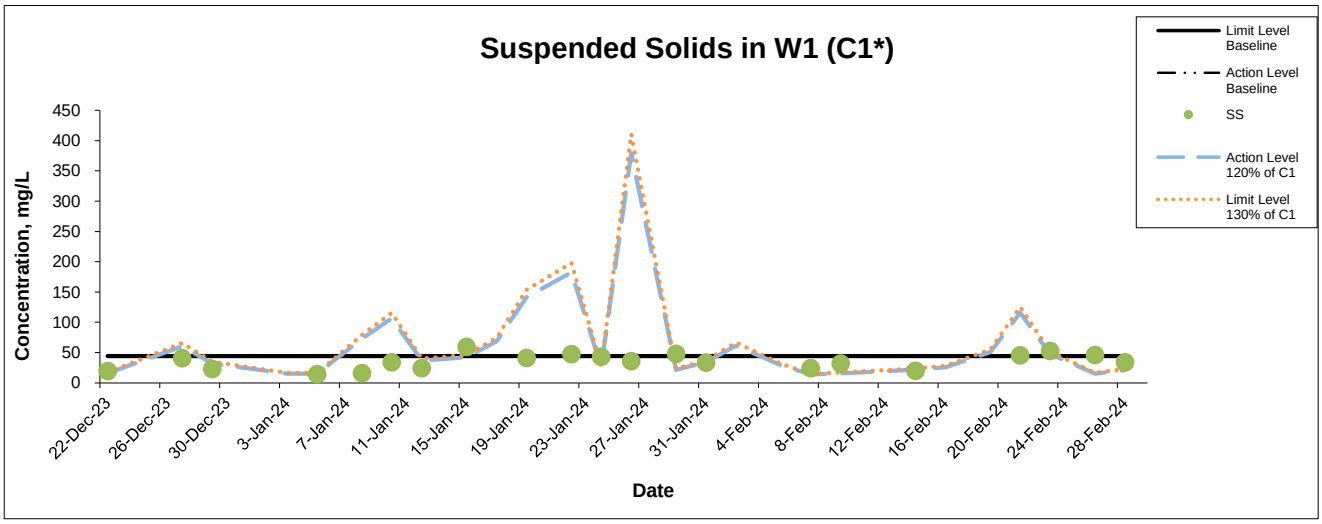
Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

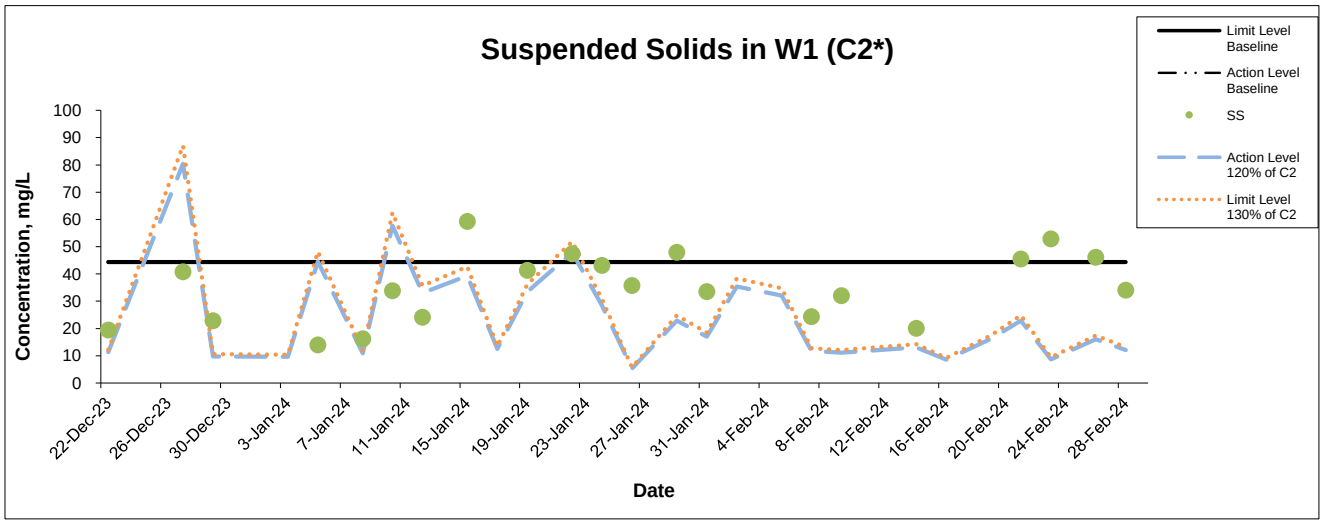
Turbidity (Depth-Averaged) at Control Stations

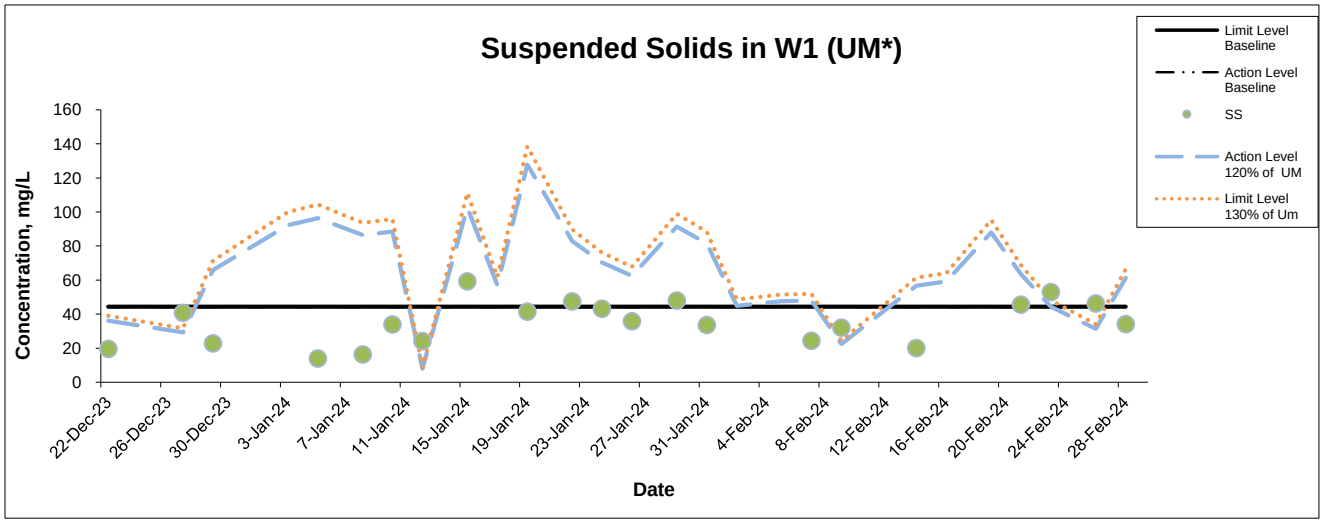


Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Suspended Solids (SS) (mg/L) at Mid-Ebb Tide



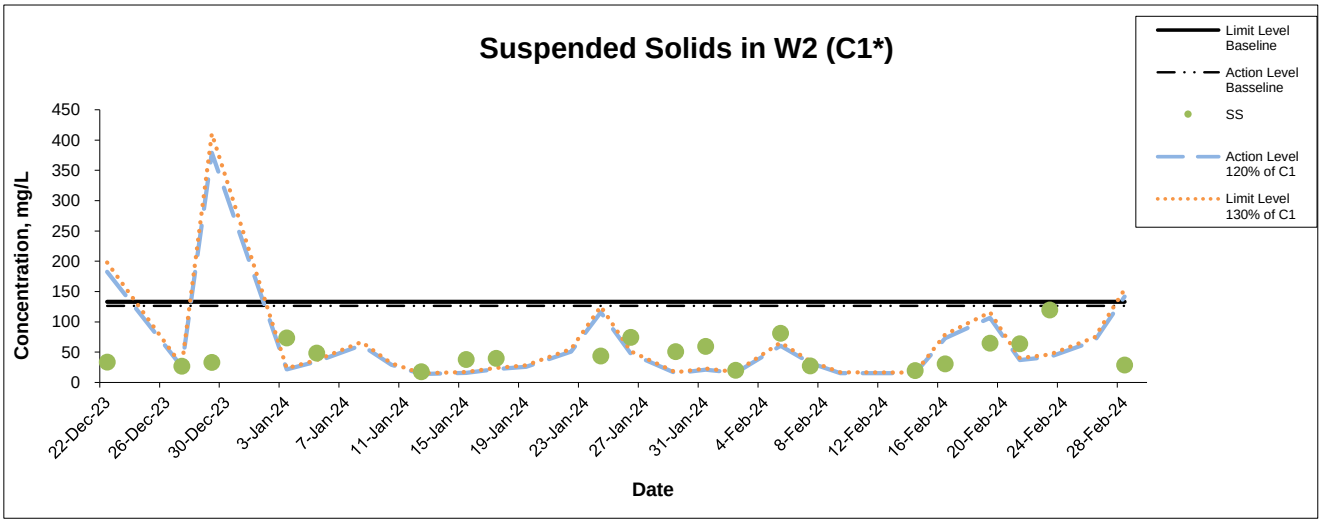


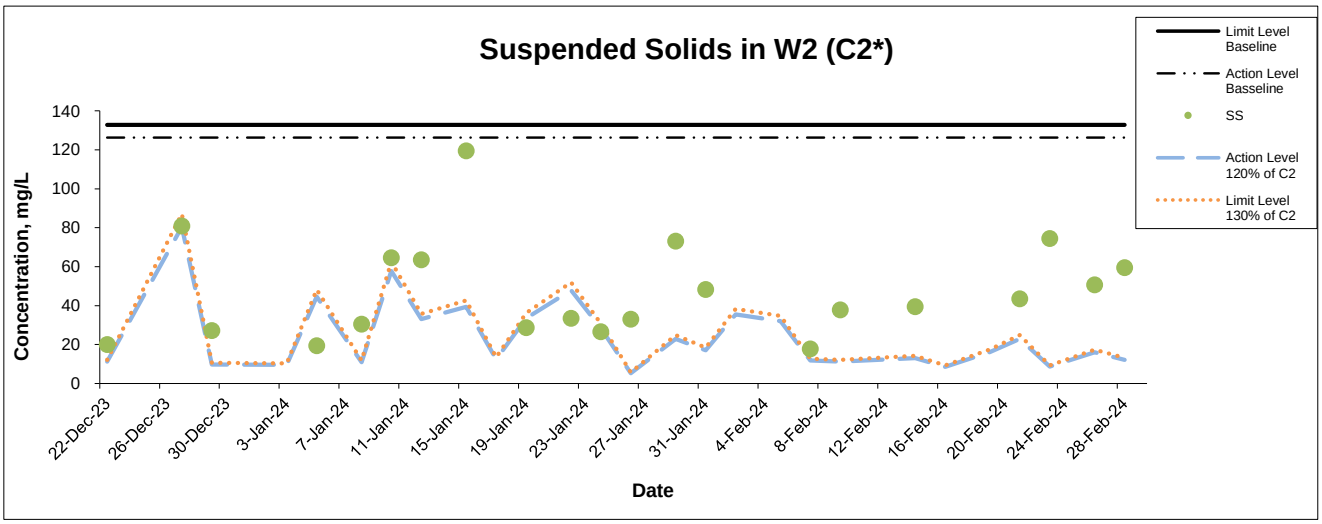


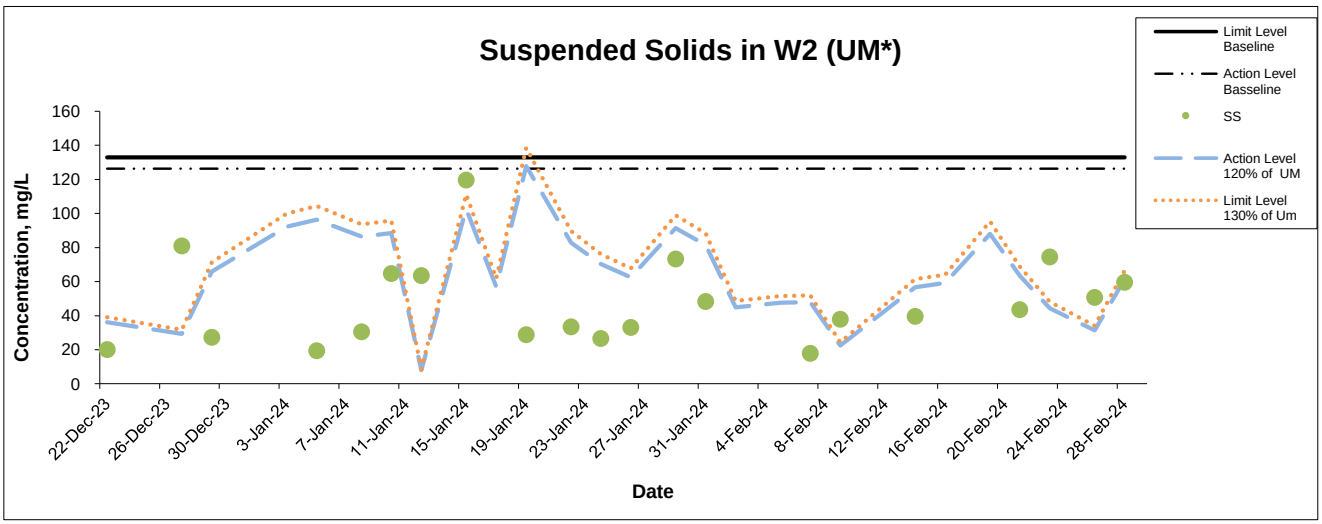
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Suspended Solids (SS) (mg/L) at Mid-Ebb Tide



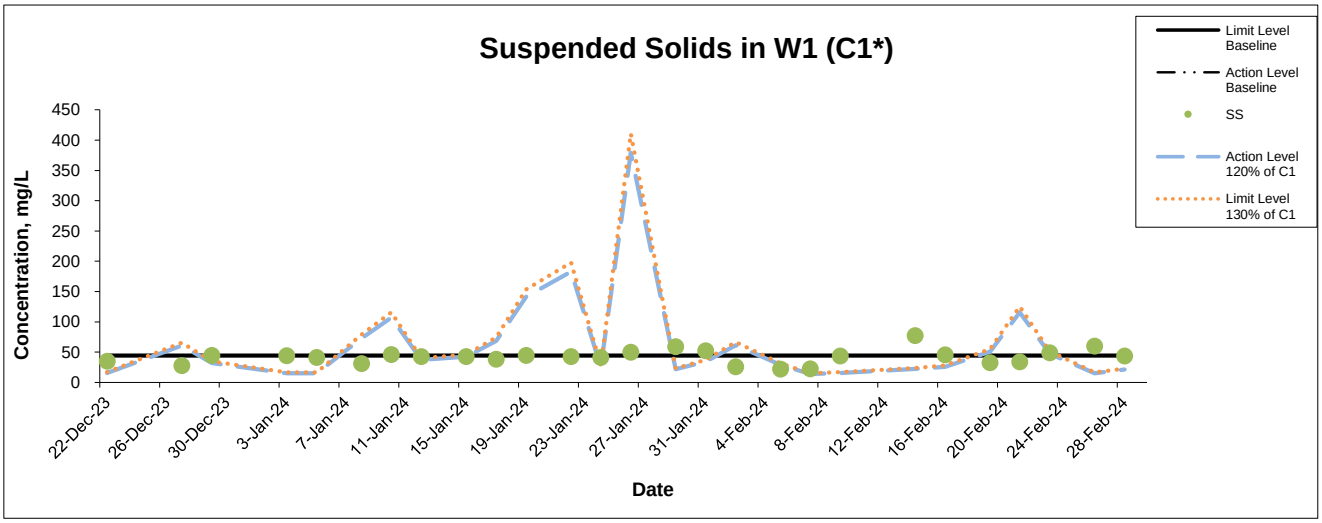


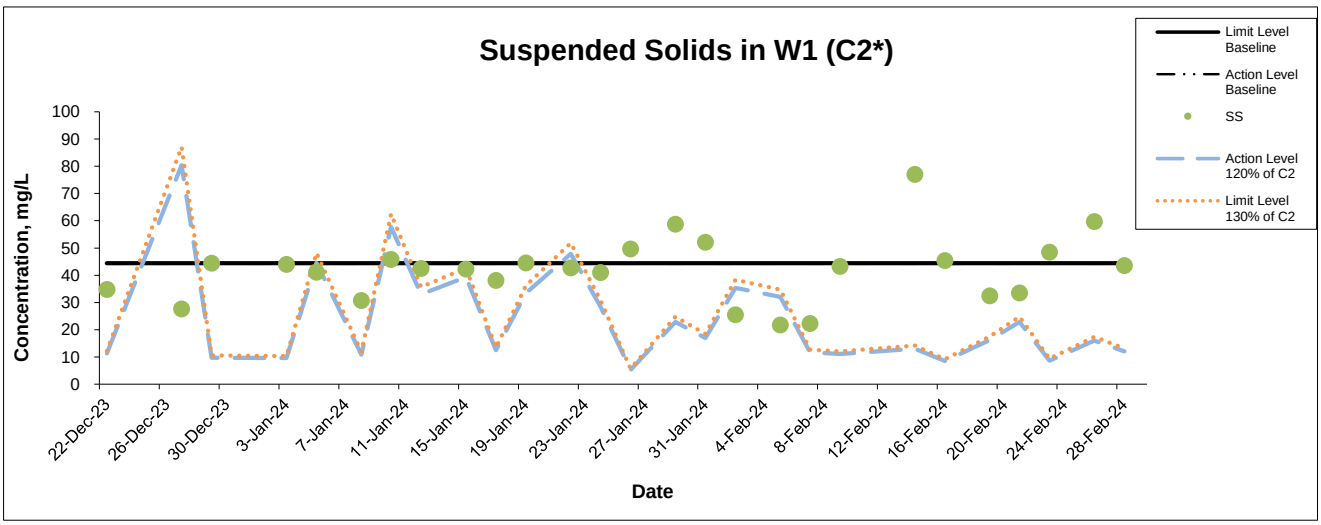


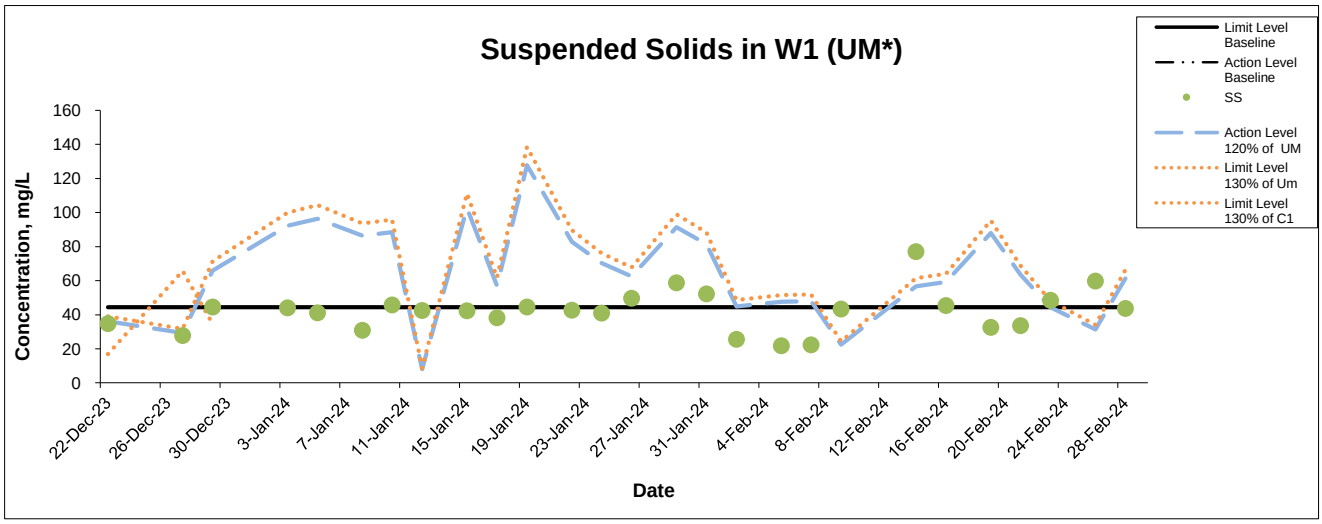
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Suspended Solids (SS) (mg/L) at Mid-Flood Tide



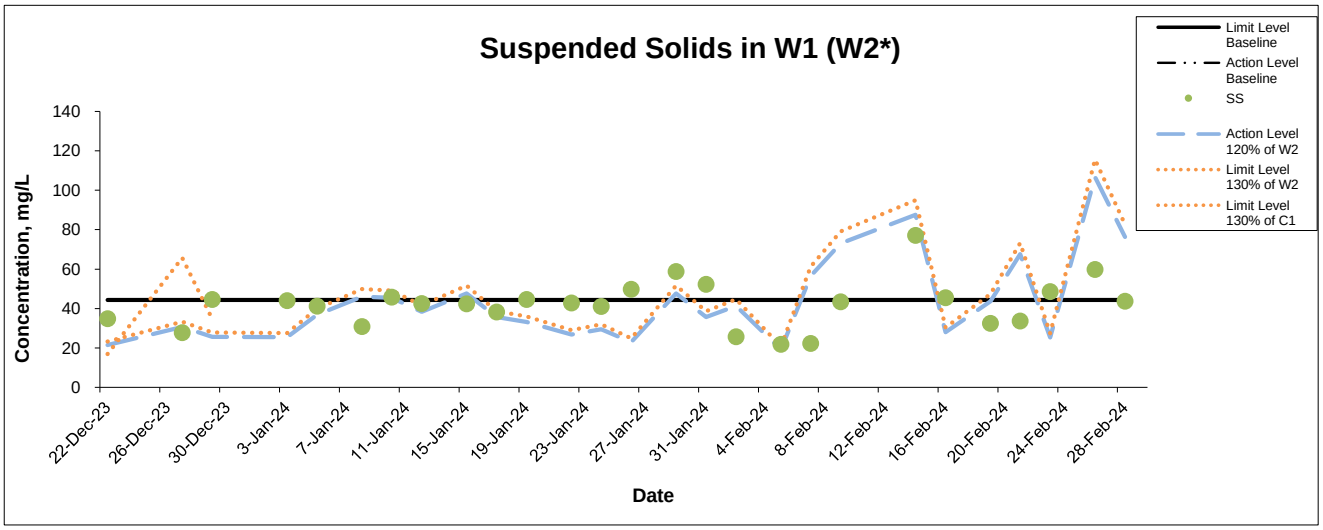




*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

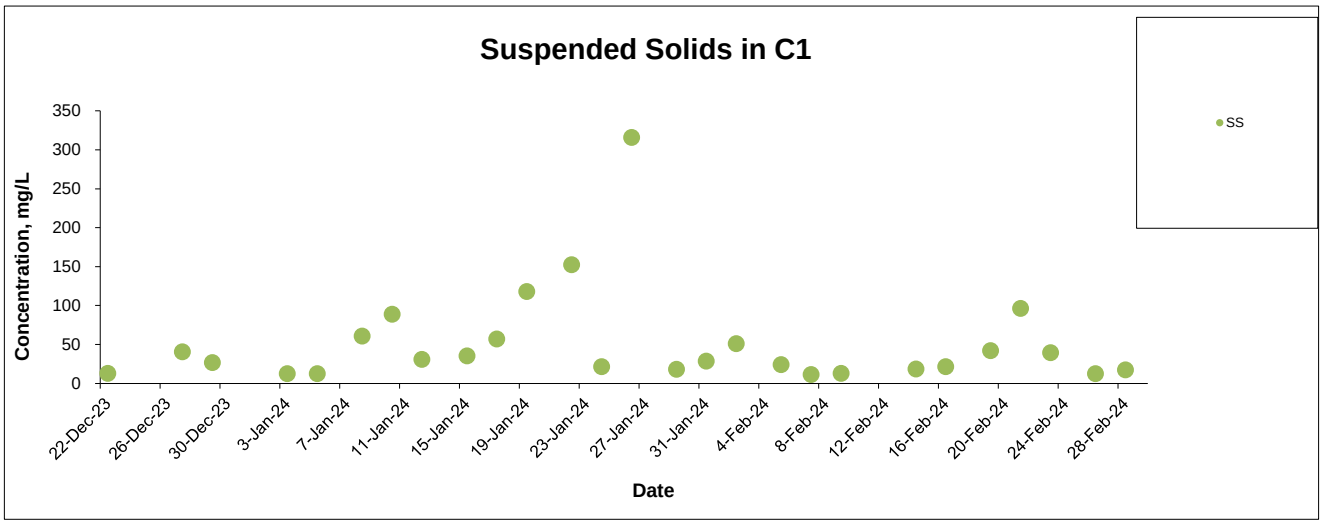
Suspended Solids (SS) (mg/L) at Mid-Flood Tide

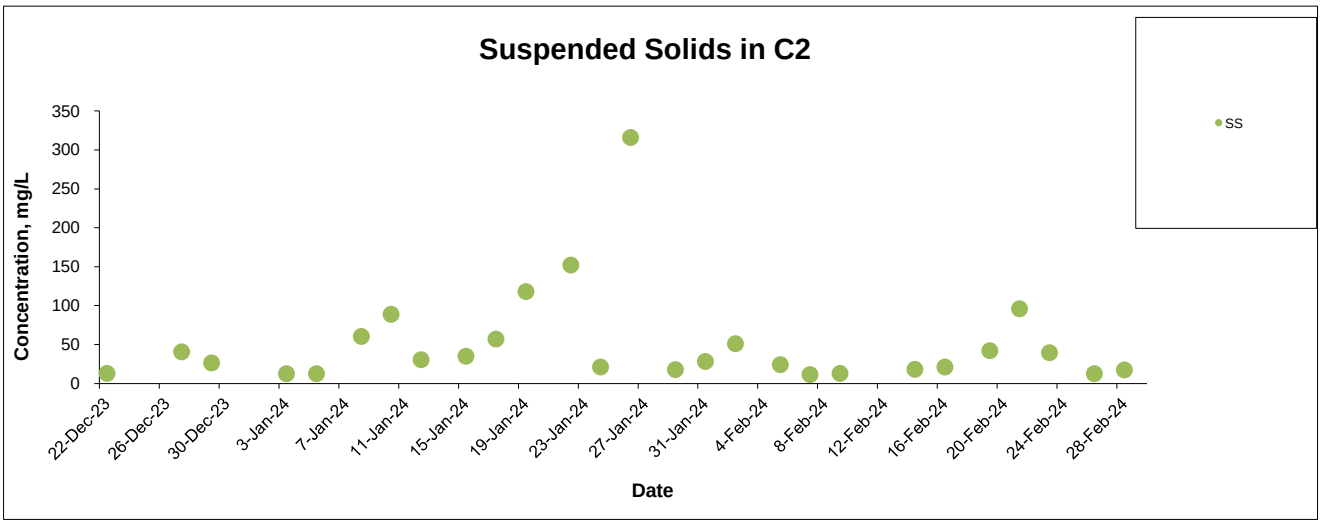


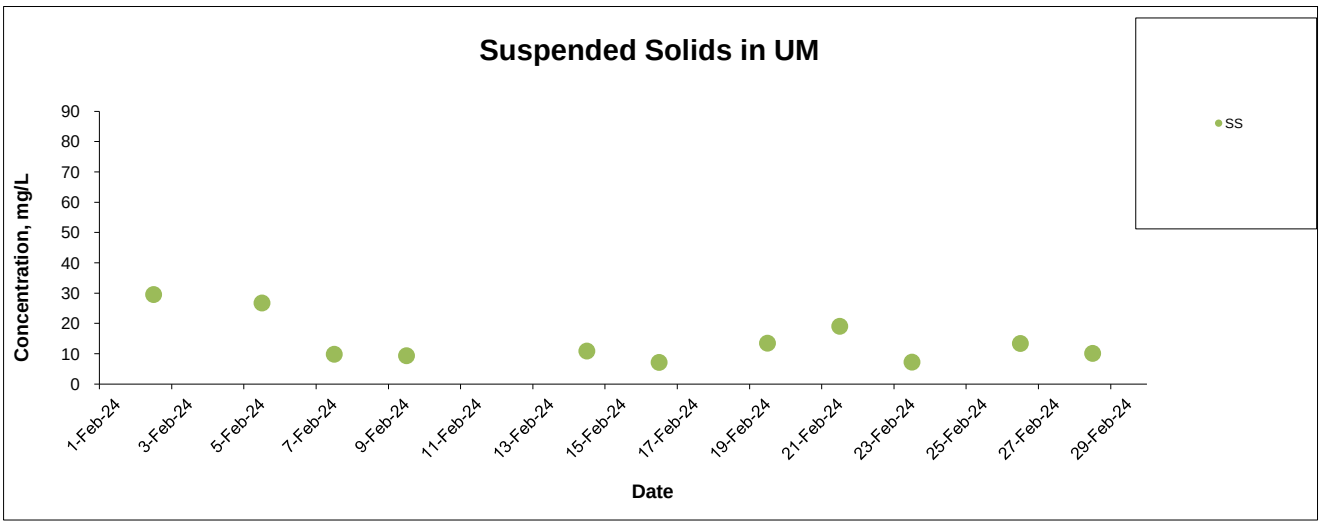
*Remark: Monitoring Station C1, C2, UM inside () are Control Stations.

Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No.: MA23101 Appendix: F	CINOTECH

Suspended Solids (SS) (mg/L) at Control Stations

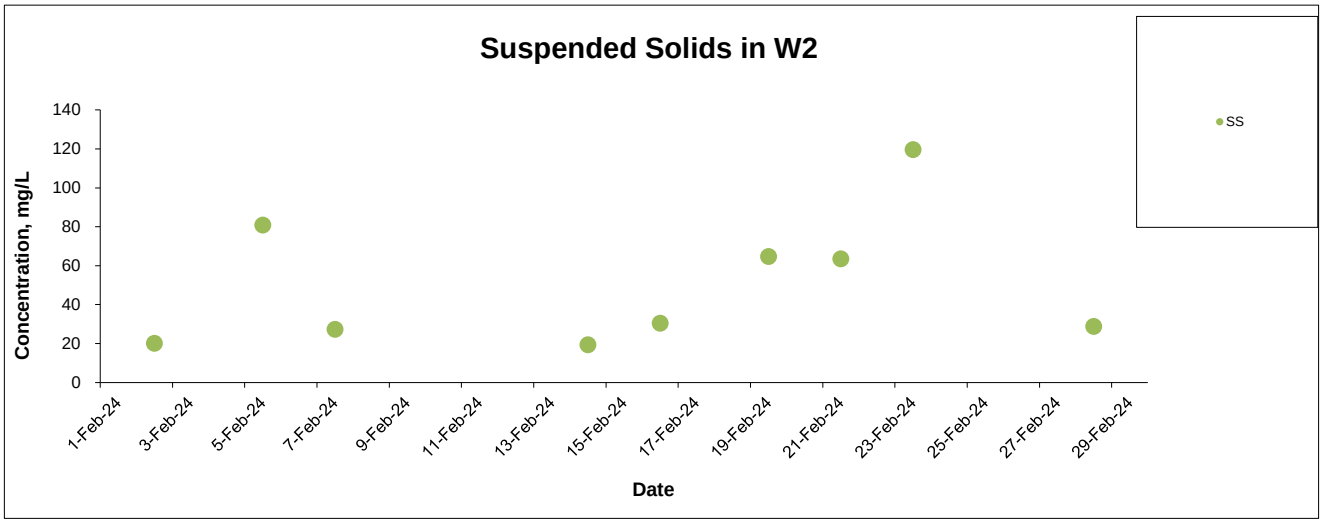






Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-23 to Feb-24	Appendix: F	

Suspended Solids (SS) (mg/L) at Control Stations



Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Water Quality Monitoring Results	Scale: N.T.S Date: Dec-23 to Feb-24	Project No. MA23101 Appendix: F	CINOTECH

APPENDIX G
SITE AUDIT SUMMARY

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	231222
Date	22 December 2023 (Friday)
Time	11:00 – 12:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		22 December 2023
Checked by	William Yeung		23 December 2023

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	231227
Date	27 December 2023 (Wednesday)
Time	14:30 – 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• No environmental deficiency was identified during previous site inspection.	

	Name	Signature	Date
Recorded by	Angela Heung		27 December 2023
Checked by	William Yeung		28 December 2023

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240103
Date	3 January 2024 (Wednesday)
Time	14:00 – 16:00

Ref. No.	**Non-Compliance**	**Related Item No.**
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• Reminder 1: Frequency water spray on site should be provided to prevent dust impact.	1
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		3 January 2024
Checked by	William Yeung		3 January 2024

Weekly Site Inspection Record Summary

Inspection Information

Checklist Reference Number	240109
Date	9 January 2024 (Tuesday)
Time	14:00 – 17:00

Ref. No.	**Non-Compliance**	**Related Item No.**
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• No environmental deficiency was identified during previous site inspection.	

	Name	Signature	Date
Recorded by	Angela Heung		9 January 2024
Checked by	William Yeung		9 January 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240117
Date	17 January 2024 (Wednesday)
Time	14:30 – 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• No environmental deficiency was identified during previous site inspection.	

	Name	Signature	Date
Recorded by	Angela Heung		17 January 2024
Checked by	William Yeung		17 January 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240124
Date	24 January 2024 (Wednesday)
Time	14:30 – 16:30

Ref. No.	**Non-Compliance**	**Related Item No.**
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• Reminder 1: The Contractor is reminded to implement the silt curtain and maintained it to a good condition.	1
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• No environmental deficiency was identified during previous site inspection.	

	Name	Signature	Date
Recorded by	Angela Heung		24 January 2024
Checked by	William Yeung		24 January 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240130
Date	30 January 2024 (Tuesday)
Time	14:30 – 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• Reminder 1: Standing water should be cleaned to keep the construction site clean.	1
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• No environmental deficiency was identified during previous site inspection.	

	Name	Signature	Date
Recorded by	Angela Heung		30 January 2024
Checked by	William Yeung		30 January 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240206
Date	6 February 2024 (Tuesday)
Time	14:30-16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• Observation 2: Drip tray should be provided under the chemical container to avoid oil leakage.	2
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• Observation 1: Proper NRMM label should be displayed on the drilling machine.	1
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		6 February 2024
Checked by	William Yeung		6 February 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240215
Date	15 February 2024 (Thursday)
Time	14:30-16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		15 February 2024
Checked by	William Yeung		15 February 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240220
Date	20 February 2024 (Tuesday)
Time	14:30-16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		20 February 2024
Checked by	William Yeung		20 February 2024

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	240227
Date	27 February 2024 (Tuesday)
Time	14:30-16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	**Remarks/Observations**	**Related Item No.**
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Ecology / Fisheries	
	• No environmental deficiency was identified during site inspection.	
	D. Built Heritage	
	• No environmental deficiency was identified during site inspection.	
	E. Air Quality	
	• Reminder: The Contractor are reminded to keep spraying water on site to avoid dust impact.	/
	F. Construction Noise	
	• No environmental deficiency was identified during site inspection.	
	G. Waste / Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	H. Landscape and Visual	
	• No environmental deficiency was identified during site inspection.	
	I. Permits / Licences	
	• No environmental deficiency was identified during site inspection.	
	J. Others	
	• N/A	

	Name	Signature	Date
Recorded by	Angela Heung		27 February 2024
Checked by	William Yeung		27 February 2024

APPENDIX H
ENVIRONMENTAL MITIGATION
IMPLEMENTATION SCHEDULE (EMIS)

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
3. Air Quality Measures								
S3.8	Relevant dust control measures stipulated in the *Air Pollution Control (Construction Dust) Regulation*, and good site practices will be incorporated as the Contract Specifications for implementation throughout the construction period. These include: • The works area for site clearance and excavation should be sprayed with water before, during and after the operation so as to maintain the entire surface wet. • Restricting heights from which materials are to be dropped, as far as practicable to reduce the fugitive dust arising from unloading/ loading. • Immediately before leaving a construction site, all vehicles should be washed to remove any dusty materials from the bodies and wheels. However, all spraying of materials and surfaces should avoid excessive water usage. • Where a vehicle leaving a 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 will not leak from the vehicle. • Erection of hoarding along the site boundary, where appropriate. • Any stockpile of dusty materials should be covered entirely by impervious sheeting; and/or placed in an area sheltered on the top and three sides. • All dusty materials should be sprayed with water immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet. • Reduce the traffic induced dust dispersion and re-suspension, the travelling speed of vehicles within the site should be controlled.	Whole Site / Construction Phase	Contractor(s)		✓			Air Pollution Control (Construction Dust) Regulation

([1]) Unless otherwise stated, the reference refers to the relevant section of the EIA Report.

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	• Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.							
S3.8	Excavated river bed materials that are placed on trucks for disposal should be properly covered with tarpaulin sheets during transportation to minimise the release of any potential odour. The odorous excavated material should be placed as far away from the sensitive receivers as possible. Odorous river bed material excavated during construction phase should be removed off-site as soon as practicable within 24 hours to avoid any odour nuisance.	Whole Site / Construction Phase	Contractor(s)		✓			-
S3.8	During operation phase, mitigation measures are considered necessary when materials generated from the maintenance works are found to be odorous, and the following measures should be implemented by the Contractor. • Temporarily stockpile odorous material as far away from ASRs as possible; • Temporary stockpiles of odorous material will be properly covered with tarpaulin and should be removed off-site as soon as practically possible within 24 hours to avoid any odour nuisance arising; and • Regular inspection at inlet chamber of existing pumping facilities to prevent accumulation of debris/materials at the inlet screens causing odour nuisance.	Whole Site / Operation Phase	Project Proponent				✓	-
4. Noise								
S4.8	*Good Construction Site Practice* Good construction site practice and noise management can considerably reduce the potential noise impact of the construction activities on nearby NSRs. The noise benefits of these practices can vary according to specific site conditions and operations. Since the effect of the good construction site practices could not be quantified, the mitigated noise levels calculated in the subsequent sections have not taken account of this effect. The following site practices should be followed during	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	the construction of the Project: • Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction phase; • Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction phase; • Mobile plant, if any, should be sited as far away from NSRs as possible; • Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and • Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities.							
S4.8	*Use of Quiet PME* The use of quiet PME is considered to be a practicable means to mitigate the construction noise impact. Quiet PME is defined as a PME having actual SWL lower than the value specified in the GW-TM. The total SWL of all plant items to be used on-site at each works area will be specified so that flexibility is allowed for the Contractor to select plant items to suit the construction needs.	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM GW-TM
S4.8	*Adoption of Movable Noise Barriers* The use of noise barriers will be an effective means to mitigate the noise impact arising from the construction works, particularly for low-rise NSRs. With reference to EIAO Guidance Note No. 9/2010 Preparation of Construction Noise Assessment Under the Environmental Impact Assessment Ordinance (EIAO GN No. 9/2010), the use of movable barrier for certain PME could generally provide a 5 dB(A) reduction for movable PME and 10 dB(A) for stationary PME.	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM EIAO Guidance Note No. 9/2010

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
S4.8	*Use of Noise Insulation Sheet* Noise insulating sheet would be adopted for PME such as drill rig. The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints. With reference to the approved EIA Report for West Island Line (WIL) (Register No.: AEIAR-126/2008 approved on 23 Dec 2008) and MTRC Contract C4420 Tsim Sha Tsui Modification Noise Assessment Report for VEP (July 2003), a reduction of over 10 dB(A) could be achieved with the use of the noise insulating sheet. For a conservative assessment, a noise reduction of 10 dB(A) for the PME with deployment of noise insulating sheet was assumed in this assessment.	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM
S4.8	*Adoption of Fixed Temporary Noise Barriers* In view of the close proximity between NSRs and the works areas for revitalisation works inside nullah, fixed temporary noise barriers will be deployed at the working section as far as practicable. Fixed temporary noise barriers of 3m in height with skid footing should be used and located within a few metres of stationary plant and mobile plant such that the line of sight to the NSR is blocked by the barriers. The length of the barrier should be at least five times greater than its height. The noise barrier material should have a sufficient surface density of at least 7 kg/m2 and have no openings or gaps. Reference has been made to EIAO GN No. 9/2010; it is anticipated that the major noise source of movable PMEs, such as breaker, water pump, concrete lorry mixer and excavator, will be located within the nullah at a level lower than the top of the proposed fixed temporary noise barrier, and therefore these barriers could produce at least a 5 dB(A) noise reduction.	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM
S4.8	*Scheduling of PME / Construction Activities* *The maximum predicted construction noise level at the nearest secondary school is 69 dB(A). This comply with the noise criteria of 70dB(A) during normal school days*	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	but exceed the criteria of 65 dB(A) during examination period. However, this potential exceedance can be avoided with following arrangement: • The contractor could liaise with the school management about the arrangements during examination weeks; and • PMEs shall not be used at the closest works areas (i.e. near CCHS1) during the examination period;							
S4.8	*Quieter Methods* Handheld or excavator mounted concrete breaker is a traditional mechanical equipment for concrete breaking and removal. Using such equipment will generate loud noise, with sound power levels generally range from 108 dB(A) to 122 dB(A). The adoption of quieter equipment or methods for concrete breaking or removal could be less noisy or could reduce the noise propagation when necessary. These include high pressure water jet system, handheld concrete crusher, medium duty breaker, blade saw, wire saw and noise enclosure. These measures shall be adopted if the use of quiet PME is not sufficient in reducing the construction noise level.	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM
S4.8	While no unacceptable noise impact is expected due to the operation of fixed plant items, it is still recommended that the following measures be implemented as far as practicable to minimise the potential impact: • Quieter plant should be chosen as far as practical; • Include noise levels specification when ordering new plant items; • All openings, including louvres for ventilation and machine room doors should be oriented away from the NSRs as far as practicable; • Silencers, acoustic louvres or acoustic doors should be used where necessary; and • Develop and implement a regularly scheduled plant maintenance programme so that plant items are properly operated and serviced. The programme should be implemented by properly trained personnel	YLBS / Detailed Design Phase and Operation Phase	Detailed Design Engineer / Project Proponent	✓			✓	EIAO-TM Noise Control Ordinance (NCO)

EIA & EM&A Ref.(1)	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
S4.8	Testing and commissioning of the proposed pumping stations would be carried out prior to operation. Noise monitoring would be carried out by the Contractor to ensure fixed noise sources impact would comply with the relevant noise standards.	YLBS / Prior to Operation	Contractor(s)				✓	EIAO-TM NCO
5. Water Quality								
S5.8	<u>*General Construction Site Practice*</u> The Contractor should observe and comply with the *Water Pollution Control Ordinance* and its subsidiary regulations and obtain a discharge license under the Ordinance. The Contractor should carry out the Project works in such a manner as to minimize adverse impacts on the water quality during execution of the works. In particular, the Contractor should arrange the working method to minimize the effects on the water quality within and outside the Project Site and on the transport routes. In addition, the management of construction site drainage from the Project will follow guidelines provided *in ProPECC PN 1/94*.	Whole Site / Construction Phase	Contractor(s)		✓			Water Pollution Control Ordinance (WPCO) EIAO-TM ProPECC PN 1/94
S5.8	<u>*Concreting Works*</u> Runoff should be carefully channelled to prevent concrete-contaminated water from entering watercourses. Adjustment of pH can be achieved by adding a suitable neutralising reagent to wastewater prior to discharge. Re-use of the supernatant from the sediment pits for washing out of concrete lorries should be practised. Any exceedance of acceptable range of pH levels in the nearby water bodies caused by inadvertent release of site runoff containing concrete should be monitored and rectified under the EM&A programme for this Project.	Whole Site / Construction Phase	Contractor(s)		✓			WPCO EIAO-TM ProPECC PN 1/94
S5.8	<u>*Construction Site Runoff and Drainage*</u> Proper site management measures should be implemented to control site runoff and drainage, and thereby prevent high sediment loadings from reaching downstream	Whole Site / Construction Phase	Contractor(s)		✓			WPCO EIAO-TM ProPECC PN 1/94

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	sections of the river/stream. The Contractor should follow the practices, and be responsible for the design, construction, operation and maintenance of all the mitigation measures. The design of the mitigation measures should be submitted by the Contractor to the Engineer for approval. These mitigation measures shall include the following practices to minimize site surface runoff and the chance of erosion, and also to retain and reduce any suspended solids prior to discharge: • Before commencing any work, all sewer and drainage connections should be sealed to prevent debris, soil, sand etc. from entering public sewers/drains. • Provision of perimeter channels to intercept storm-runoff from outside the site. These should be constructed in advance of the construction works. • Temporary ditches such as channels, earth bunds or sand bag barriers should be included to facilitate runoff discharge into the stormwater drain, via a sand/silt basin/trap. • Works programme should be designed to minimize works areas at any one time, thus minimizing exposed soil areas and reducing the potential for increased siltation and runoff. • Sand/silt removal facilities such as sand traps, silt traps and sediment basins should be provided to remove the sand/silt particles from run-off where necessary. These facilities should be properly and regularly cleaned and maintained. These facilities should be carefully planned to ensure that they would be installed at appropriate locations to capture all surface water generated on site. • Careful programming of the works to avoid excavation works during the rainy season. • Temporary access roads (if any) should be protected by crushed gravel and exposed slope surfaces shall be protected when rainstorms are likely; and • Open stockpiles of construction materials on-site should be covered with tarpaulin or similar fabric during rainstorms to prevent erosion.							
S5.8	<u>*Use of Containment Structures and Diversion Channels*</u> The use of containment structures and diversion channels is recommended wherever	Whole Site / Construction Phase	Contractor(s)		✓			WPCO EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	practicable to facilitate a dry or at least confined excavation within the nullah. For example, nullah water should be contained within the works area before the commencement of excavation by the use of concrete blocks or sand bag barriers. Water within the contained area should be discharged to the nullah before excavation commences to create the dry conditions. Dredging/sediment removal works shall not be carried out in open waters. Nullah water should also be diverted from the works area through the use of diversion channel constructed by materials such as concrete blocks. Indicative details of the containment structures and diversion channels are provided in ***Drawing No. 400171/B&V/EIA/503*** and would be provided by the Contractor to the Engineer for approval before commencement of construction works for the Project. By limiting or confining the works areas the extent of disturbance to the surrounding water bodies will be significantly reduced, and thus resulting impacts on water quality from sediment re-suspension will be reduced. These measures will be implemented to ensure compliance with the Water Pollution Control Ordinance and its subsidiary regulations.							
S5.8	*Sewage and Wastewater Discharge* All discharges during the construction phase of the Project are required to comply with the *Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-ICW)* issued under *Section 21* of the *WPCO*. Domestic sewage/wastewater generated by workforce on-site should be collected in a suitable storage facility such as portable chemical toilets. An adequate number of portable toilets will be provided during the construction phase. These toilets should be maintained in a state that will not deter the workers from using them. The collected sewage/wastewater will be discharged into the foul sewer or transferred to the Government sewage treatment works by a licensed collector.	Whole Site / Construction Phase	Contractor(s)		✓			WPCO EIAO-TM Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-ICW)
S5.8	*Storage and Handling of Oil, Other Petroleum Products and Chemicals* The following mitigation measures should be implemented for the storage and handling of oil, other petroleum products and chemicals: • Waste streams classifiable as chemical wastes should be properly stored,	Whole Site / Construction Phase	Contractor(s)		✓			Waste Disposal Ordinance (WDO) Waste Disposal (Chemical Waste)

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	collected and treated for compliance with *Waste Disposal Ordinance or Disposal (Chemical Waste) (General) Regulation requirements*. • All fuel tanks and chemical storage areas should be provided with locks and be sited on paved areas. • The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled oil, fuel and chemicals from reaching the receiving waters. • Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance. • Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should, as far as possible, be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor.							(General) Regulation
S5.8	<u>*Handling of Spillage / Leakage*</u> In the event that accidental spillage or leakage of hazardous substances / chemical wastes occur, the response procedures as listed below should be followed. It should be noted that the procedures below are not exhaustive and the contractor should propose other response procedures in the emergency contingency plan based on the particular types and quantities of chemicals or hazardous substances used, handled and stored on-site. • Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the *Waste Disposal Ordinance*. • Instruct untrained personnel to keep at a safe distance well away from the spillage area. • If the spillage / leakage involves highly toxic, volatile or hazardous waste, initiate emergency evacuation and call the emergency service. • Only trained persons equipped with suitable protective clothing and equipment should be allowed to enter and clean up the waste spillage / leakage area. • Where the spillage/ leakage is contained in the enclosed storage area, the waste can be transferred back into suitable containers by suitable handheld	Whole Site / Construction Phase	Contractor(s)		✓			WDO

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	equipment, such as hand operated pumps, scoops or shovels. If the spillage / leakage quantity is small, it can be covered and mixed with suitable absorbing materials such as tissue paper, dry soft sand or vermiculite. The resultant slurry should be treated as chemical waste and transferred to suitable containers for disposal. • For spillage / leakage in other areas, immediate action is required to contain the spillage / leakage. Suitable liquid absorbing materials such as tissue paper, dry soft sand or vermiculite should be used to cover the spill. The resultant slurry should be treated as chemical waste and transferred to suitable containers for disposal. • Areas that have been contaminated by chemical waste spillage / leakage should be cleaned. While water is a soluble solvent for aqueous chemical wastes and water soluble organic waste, kerosene or turpentine should be used for organic chemical wastes that are not soluble in water. The waste from the cleanup operation should be treated and disposed of as chemical waste. • In incidents where the spillage/ leakage may result in significant contamination of an area or risk of pollution, the EPD should be informed immediately.							
S5.8	<u>*Maintenance Works*</u> Maintenance may be necessary for the revitalised YLTN at regular intervals to remove excessive silts, vegetation, debris and obstruction. The following considerations should be included in planning for the maintenance works during operation: (a) Maintenance of the channels should be restricted to annual silt removal when the accumulated silt will adversely affect the hydraulic capacity of the channel, except during emergency situations where flooding risk is imminent. Desilting should be carried out by hand or light machinery during the dry season (October to March) when water flow is low. (b) Phasing of the works should be considered to better control and reduce any impacts caused. Where possible, works should be carried out along half	Whole Site / Operation Phase	Project Proponent				✓	-

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	width of the drainage channel in short sections. A free passage along the drainage channel is necessary to avoid forming stagnant water in any phase of the works. (c) Containment structures (such as sand bags barrier) should be provided for the desilting works area to facilitate a dry or at least confined working area within the drainage channel. (d) The locations for the disposal of the removed materials should be identified and agreement sought with the relevant departments before commencement of the maintenance works. Temporary stockpile of waste materials should be located away from the channel and properly covered. These waste materials should be disposed of in a timely and appropriate manner. (e) Effective temporary flow diversion scheme should be implemented and the generated wastes should be collected and disposed off-site properly to avoid adversely affecting the water quality of the drainage system.							
S5.8	Practicable designs including energy dissipators or orientation of the pump outlets will be optimised in the detail design stage to dissipate excess energy of flowing water downstream such that the hydraulic performance of the downstream will be similar to the existing condition.		Contractor(s)	✓				
S5.11 of EIA and S5.2 of EM&A Manual	Baseline monitoring should be undertaken for three times per week for a period of four weeks before commencement of the construction works to establish baseline water quality conditions of the area. Impact monitoring should be undertaken for three times per week during the construction period to obtain water quality data of the area throughout the construction period for comparison with the baseline water quality data and hence determine any water quality impacts from the construction activities. Post Project monitoring should also be undertaken three times per week for four weeks after the completion of construction works. The following parameters will be monitored under the water quality monitoring	Upstream and downstream of the Work Area / Before, During and After Construction	ET and IEC	✓	✓	✓		EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	programme: • pH (in situ measurement); • Water temperature (ºC) (in situ measurement); • Salinity (ppt) (in situ measurement); • Dissolved Oxygen (DO) (% saturation and mg/L) (in situ measurement); • Turbidity (NTU) (in situ measurement); and • Suspended Solids (SS) (mg/L) (laboratory analysis).							
S5.11	Weekly site inspections and audits will be conducted to ensure that the recommended mitigation measures are properly implemented during the construction stage.	Whole Site / Construction Phase	ET and IEC		✓			EIAO-TM
6. Waste Management								
S6.6	*General* The HKSAR Government's construction and demolition waste management policy follows the same hierarchy as for other wastes i.e. in order of desirability: avoidance, minimisation, recycling, treatment and safe disposal of waste. Training of construction staff should be undertaken by the contractor about the concept of site cleanliness and appropriate waste management procedures. The contractor should develop and provide toolbox talk for on-site sorting of C&D materials to enhance worker's awareness in handling, sorting, reuse and recycling of C&D materials. Requirements for staff training should be included in the contractor's Environmental Management Plan (EMP). Good planning and site management practice should be employed to eliminate over ordering or mixing of construction materials to reduce wastage. Proper storage and site practices will minimise the damage or contamination of construction materials. Where waste generation is unavoidable, the potential for recycling or reuse should be rigorously explored. If waste cannot be recycled, disposal routes described in the	Whole Site / Detailed Design and Construction Phase	Detailed Design Engineer / Contractor(s)	✓	✓			WDO DEVB TC(W) No 6/2010 ETWB TC(W) No. 19/2005

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	EMP should be followed. A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be implemented. In order to monitor the disposal of C&D material and solid wastes at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be included. One may make reference to *DEVB TC(W) No. 6/2010* for details. Regular cleaning and maintenance of the waste storage area should be provided. Control measures for temporary stockpiles on-site should be taken in order to minimize the noise, generation of dust, pollution of water and visual impact. These measures include: • Surface of stockpiled soil should be regularly wetted with water especially during dry season; • Disturbance of stockpiled soil should be minimized; • Stockpiled soil should be properly covered with tarpaulin especially when heavy rain storms are predicted; • Stockpiling areas should be enclosed where space is available; • Stockpiling areas should be located away from the water bodies; and • An independent surface water drainage system equipped with silt traps should be installed at the stockpiling area. The identification of final disposal sites for C&D materials generated by the construction works will be considered during the detailed design stage of the Project when the volume and types of C&D materials can be more accurately estimated. The Public Fill Committee of CEDD should be consulted on designated outlets (e.g. public filling area) for public fill, whilst EPD should be consulted on landfills for C&D waste. Disposal of C&D waste to landfill must not have more than 50% (by weight) inert material. The C&D waste delivered for landfill disposal should contain no free water and the liquid content should not exceed 70% by weight. In order to avoid dust or odour impacts, any vehicle leaving a works area carrying C&D waste or public fill should have their load covered up before leaving the							

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	construction site. C&D materials should be disposed of at designated public fill reception facilities or landfills. Disposal of these materials for the use at other construction projects is subject to the approval of the Engineer and/or other relevant reception authorities. Furthermore, unauthorized disposal of C&D materials in particular on private agricultural land is prohibited and may be subject to relevant enforcement and regulating actions. The disposal of public fill and C&D waste will be controlled through trip-ticket system in accordance with DEVB TC(W) No. 6/2010.							
S6.6	*On-site Sorting, Reuse and Recycling* All waste materials should be segregated into categories covering: • Inert C&D materials suitable for reuse on-site; • Inert C&D materials suitable for public fill reception facilities; • Recyclable C&D waste for recycling; • Remaining C&D waste for landfill; • Chemical waste; and • General refuse for landfill. Proper segregation and disposal of construction waste should be implemented. Separate containers should be provided for inert and non-inert wastes. Sorting is important to recover materials for reuse and recycling. Specific area should be allocated for on-site sorting of C&D materials and to provide a temporary storage area for those sorted materials. If area is limited, all C&D materials should at least be sorted on-site into inert and non-inert components. Non-inert materials (C&D waste) such as bamboo, timber, vegetation, packaging waste and other organic materials should be reused and recycled wherever possible and disposed of to designated landfill only as a last resort. Inert materials (public fill) such as concrete, stone, clay, brick, soil, asphalt and the like should be separated and reused in this or other projects (subject to approval by the relevant parties in accordance with the *DEVB TC(W) No. 6/2010*) before disposed of at a public filling facility	Whole Site / Construction Phase	Contractor(s)		✓			WDO WBTC Nos. 6/2002 and 6/2002A DEVB TC(W) No. 6/2010 ETWB TC(W) No. 19/2005

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	operated by CEDD. Steel and other metals should be recovered from demolition waste stream and recycled. The reuse of inert materials such as soil, rock and broken concrete should be maximised. Waste should be separated into fine, soft and hard materials. With the use of a crusher coarse material can be crushed to make it suitable for use as fill material where fill is required in the works. This minimises the use of imported material and maximises use of the C&D material produced.							
S6.6	*Excavated Sediments* The sediment should be excavated, handled, transported and disposed of in a manner that would minimize adverse environmental impacts. Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during excavation, transportation and disposal of the sediment. In order to minimize the exposure to contaminated materials, workers shall, if necessary, wear appropriate personal protective equipment (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities shall also be provided on site. For off-site disposal, the basic requirements and procedures specified under ETWB TC(W) No. 34/2002 shall be followed. Marine Fill Committee (MFC) of CEDD is managing the disposal facilities in Hong Kong for the excavated sediment, while EPD is the authority of issuing marine dumping permit under the Dumping at Sea Ordinance (DASO). To ensure disposal space is allocated for the Project, the Project Proponent should be responsible for obtaining agreement from MFC on the rationale for sediment removal and the allocation of the disposal site. The contractor(s), on the other hand, should be responsible for the application of the marine dumping permit under DASO	Works Site requiring sediment excavation / Construction Phase	Contractor(s)		✓			Air Pollution Control (Construction Dust) Regulation ETWB TC(W) No. 34/2002 Dumping at Sea Ordinance (DASO) WPCO WDO

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	from EPD for the sediment disposal. The excavated sediments are expected to be loaded onto the barge at public barging point of which the exact location will be determined by the contractor(s) and agreed by EPD/CEDD and transported to the designated disposal sites allocated by MFC. The excavated sediment would be disposed of according to its determined disposal options and ETWB TC(W) No. 34/2002. Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas for contaminated sediments should be paved with impermeable linings to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO). In order to minimize the potential odour / dust emissions during excavation and transportation of the sediment, the excavated sediments shall be wetted during excavation / material handling and shall be properly covered when placed on trucks or barges. Loading of the excavated sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water. The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.							

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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S6.6	*Chemical Waste* Where the construction processes produce chemical waste, the contractor must register with EPD as a chemical waste producer. Wastes classified as chemical wastes are listed in the Waste Disposal (Chemical Waste) (General) Regulation. These wastes are subject to stringent disposal routes. EPD requires information on the particulars of the waste generation processes including the types of waste produced, their location, quantities and generation rates. A nominated contact person must be registered with EPD. An updated list of licensed chemical waste collector can be obtained from EPD. Storage, handling, transport and disposal of chemical waste should be arranged in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published by EPD, and should be collected by a licensed chemical waste collector. Chemical waste should be stored away from channels or water bodies. Suitable containers should be used for specific types of chemical wastes. The containers should be properly labelled (in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations), resistance to corrosion, stored safely and closely secured. Stored volume should not be kept more than 450 liters unless the specification has been approved by the EPD. Storage area should be enclosed by three sides by a wall, partition of fence that is at least 2 m height or height of tallest container with adequate ventilation and space. Hard standing, impermeable surfaces draining via oil interceptors should be provided in works area compounds. Interceptors should be regularly emptied to prevent release of oils and grease into the surface water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain. Oil and fuel bunkers should be bunded and/or enclosed on three sides to prevent discharge due to accidental spillages or breaches of tanks. Bunding should be of sufficient capacity to accommodate 110% of the	Whole Site / Construction Phase	Contractor(s)		✓			Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes DEVB TC(W) No. 6/2010

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	volume of the largest container or 20% of the total volume of waste, whichever is largest. Waste collected from any grease traps should be collected and disposed of by a licensed contractor. Lubricants, waste oils and other chemical wastes are likely to be generated during construction. Used lubricants should be collected and stored in individual containers which are fully labelled in English and Chinese and stored in a designated secure place. If possible, such waste should be sent to oil recycling companies, and the empty oil drums collected by appropriate companies for reuse or refill. The registered chemical waste producer (i.e. the contractor) has to arrange for the chemical waste to be collected by licensed collectors. The licensed collector should regularly take chemical waste to a licensed chemical waste treatment facility (such as the Chemical Waste Treatment Centre in Tsing Yi). A trip ticket system operates to control the movement of chemical wastes. No lubricants, oils, solvents or paint products should be allowed to discharge into water courses, either by direct discharge, or as contaminants carried in surface water runoff from the construction site.							
S6.6	*General Works Waste* **Concrete Waste** Dry concrete waste (considered as public fill) should be sorted out from the other wastes and recycled for reuse or sorted out for disposal at designated public filling facilities. **Wooden Materials** All wooden materials used on-site should be kept separate from other wastes to avoid damage and to facilitate reuse. Timber which cannot be reused should be sorted out from other waste and stored separately from all inert waste before being	Whole Site / Construction Phase	Contractor(s)		✓			WDO WBTC No. 19/2001

EIA & EM&A Ref.(1)	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	disposed of to landfill. Reusable steel or concrete panel shutters, fencing and hoarding and signboard should be used as a preferred alternative to items made of wood, to minimise wastage of wood. Attention should be paid to WBTC No. 19/2001 - Metallic Site Hoardings and Signboards to reduce the amount of timber used on construction sites. Metallic alternatives to timber are readily available and should be used rather than new timber. Precast concrete units should be adopted wherever feasible to minimize the use of timber formwork. Only waste material need be taken to a landfill. It should be separated from recyclable wood and steel materials. As for all waste types these materials should be reused on-site or other approved sites before disposal is considered as an option. Disposal to landfill should only be considered as a final option. Contractors are responsible for storage of re-useable materials on-site. **General Refuse** General refuse generated on-site should be stored in enclosed bins or skips and collected separately from other construction and chemical wastes and disposed of at designated landfill. A temporary refuse collection point should be set up by the contractor to facilitate the collection of refuse by licensed contractors. The removal of waste from the site should be arranged on a daily or at least on every second day by the contractor to minimise any potential odour impacts, minimise the presence of pests, vermin and other scavengers and prevent unsightly accumulation of waste. The recyclable component of the general waste generated by the workforce, such as aluminium cans, paper and cleansed plastic containers should be separated from other waste. Provision and collection of recycling bins for different types of recyclable waste should be set up by the contractor. The contractor should also be responsible for arranging recycling companies to collect these materials. **Floating Refuse**							

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	Any floating refuse trapped within the Project Area shall be collected by contractor and disposed to landfill.							
S6.6	The screenings, silt materials and debris collected during operation and maintenance should be properly packed and transported to the designated landfill for disposal as soon as possible. All chemical waste should be properly stored, labelled and removed by licensed waste collectors in accordance with Waste Disposal (Chemical Waste) (General) Regulation.	Whole Site / Operation Phase	Project Proponent				✓	Waste Disposal (Chemical Waste) (General) Regulation
S6.9	To facilitate monitoring and control over the contractors' performance on waste management, a waste monitoring and audit programme will be implemented throughout the construction phase and a Waste Management Plan (WMP) will be prepared and implemented by the contractor in accordance with ETWB TC(W) No. 19/2005. The aims of the monitoring and audit programme are: • To review the WMP, which will form part of the EMP in accordance with ETWB TC(W) No. 19/2005, including the quantities and types of C&D materials generated, reused and disposed of off-site; the amount of fill materials exported from/imported to the site and the quantity of timber used in temporary works construction for each process/activity; • To monitor the implementation and achievement of the WMP on site to assess its effectiveness; and • To monitor the follow-up actions on deficiencies identified. Site inspections will be undertaken each week. Particular attention will be given to the contractor's provision of sufficient spaces, adequacy of resources and facilities for on-site sorting and temporary storage of C&D materials. The C&D materials to be disposed of from the site will be visually inspected to ensure the absence of non-inert materials (e.g. general refuse, timber, etc.). The waste to be disposed of at landfills will as practicable contain no observable inert or reusable/recyclable C&D materials (e.g. soil, broken rock, metal, and paper/cardboard packaging, etc.). Any irregularities observed during the site inspections will be raised promptly to the	Whole Site / Construction Phase	Contractor(s)		✓			WDO ETWB TC(W) No. 19/2005

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	contractor for rectification. The findings of the waste inspections will be reported in the monthly Environmental Monitoring and Audit Report.							
7. Ecological								
	Avoidance							
S7.8	While the Project Site is situated within the WBA, the site and construction works are designed to be confined to the Yuen Long Town Nullah that direct impacts on all other recognized sites of conservation importance including Ramsar Site, Priority Site, WCA, WBA (outside the Project Site), SSSI and CA would be avoided.	Whole Site / Detailed Design Phase	Detailed Design Engineer	✓				EIAO-TM
S7.8	According to the ecological survey data from present study, Shan Pui River recorded a relatively higher abundance of waterbirds in dry season. In order to minimize the construction noise disturbance on the nearby wetland habitats and the associated disturbance-sensitive overwintering/migratory waterbirds, which are most abundant during the dry season months, the comparatively disturbing construction works i.e. percussive piling works and demolition using breakers mounted on excavators, would therefore be scheduled outside the dry season (i.e. November to March, which is the peak overwintering period of waterbirds).	Whole Site / Construction Phase	Contractor(s)		✓			EIAO-TM
	Minimisation							
S7.8	<u>*Consideration of alternative construction methods*</u> – Concrete crusher would be used for demolition works to be undertaken during dry season months and demolition using breakers mounted on excavators should only be undertaken during wet season when the wetland habitats nearby the Project Site are less sensitive outside the peak overwintering.	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM
S7.8	Due to ground conditions and programme constraints, percussive piling works would likely be unavoidable. In considering the construction noise, ecological impact and other environmental constraints, the quieter foundation methods,	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	including bored piling by reverse circulation drill, raft foundation and shallow foundation, would be adopted as far as possible.							
S7.8	*Careful phasing of construction activities* – The programme and phasing of the construction activities have been carefully planned to localise the construction disturbance within and to reduce the duration of high level of disturbances on sensitive wetland habitats and associated waterbirds. The proposed works will be conducted in 3 primary phases stated in Chapter 2 of EIA report. For example, excavation works within watercourse will be conducted in dry season to minimize the impacts to water quality and release of contaminants to aquatic habitats. Besides, the pumping stations and tidal barriers will not be constructed simultaneously, but will be constructed by 2 sections (one pumping station and half of tidal barriers at a time), to maintain the ecological connectivity.	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM
S7.8	*Use of noise barriers/acoustic screens* – In order to further minimise the overall impacts on the nearby wetland habitats and associated waterbirds, particularly to the wetland habitats adjacent to the Project Site, noise barriers with absorptive materials of about 2-3m high will be erected along the sensitive sides of the Project Site, throughout the construction phase. The purpose is to screen the construction noise and human disturbance from the waterbirds during construction phase.	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM
S7.8	Adequate noise barriers should also be provided for the demolition using breakers mounted on excavators and percussive piling works, to further minimise the construction noise disturbance from these construction activities. Movable noise barriers should be provided to breakers mounted on excavator used for demolition works and acoustic mat should be provided to the piling plants around the rig. The contractor should provide enclosure for construction equipment, especially static plants (e.g. generator), as appropriate to minimise the noise disturbance as far as practicable.	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM
S7.8	As ardeid night roost was recorded beside the Project Site of Kam Tin River, noise barriers with absorptive materials of about 2-3m high should be erected along the side close to the night roost location, that would screen human disturbance and noise	Works Site of Kam Tin River within	Contractor(s) – ecologists		✓			EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	disturbance to the night roost. As night roost may change from time to time, a pre-construction survey is recommended for areas within 100m from the Project boundary to confirm the location and status of the night roost. No construction works should be undertaken within 100m from any night roost confirmed by the pre-construction survey after 17:00 from February to September and 16:30 from October to January to avoid disturbance to avoid disturbance.	100m of ardeid night roost / Construction Phase						
S7.8	*Use of quality powered mechanical equipment* – The Quality Powered Mechanical Equipment (QPME) system was developed by EPD to benchmark construction equipment items that are new, notably quieter, more environmentally friendly and efficient by QPME Labels. The contractor should source QPMEs for construction as far as practicable to further minimise the overall construction noise and other disturbance to the nearby wetland habitats and associated waterbirds to the maximum practical extent.	YLBS / Construction Phase	Contractor(s)		✓			EIAO-TM
S7.8	*Operation of tidal barrier to allow brackish waters flushing in* – In order to mitigate the impacts of fragmentation in particular the water connectivity between the YLTN Section 4 and Shan Pui River, as well as the loss of brackish water habitat at YLTN Section 4, measures are being explored to retain the habitat between the existing inflatable dam and the proposed barrage as far as practicable. The operation of tidal barrier will be closed during high tide above 0.5mPD and will be opened below 0.5mPD (**Appendix 2.4 of EIA report**). The situation now is the waters from Deep Bay start flushing in above ~0.2mPD during high tide. Hence, the waters with sediment from Deep Bay can still be flushed into YLTN Section 4 from ~0.2-0.5mPD during high tide before closure of tidal barriers. The operation would facilitate an exchange of water, similar to the existing conditions, according to tidal fluctuations and enhance ecological connectivity through periodic opening of the tidal barriers. Additionally, the feasibility of a proposed 300mm x 300mm ecological trench underneath the soffit of the tidal barriers is being investigated to serve a similar purpose when the barriers are closed. The necessary operation modes would be further explored in the Detailed Design Stage.	YLBS / Detailed Design Phase and Operation Phase	Detailed Design Engineer / Project Proponent	✓			✓	EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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S7.8	<u>*Discharge design to minimize the scouring effect to tidal mudflat*</u> – The performance of the discharge system would be assessed against the YLBS' maximum discharge (i.e. under 200-year rainstorm event) and the configuration of the pumping stations is being optimised. Apart from under design weather events, no significant increase in discharge is anticipated as a result of the barrage. The orientation of the outlet and angle of discharge will be designed to prevent localized turbulent flows which could lead to scouring of the river bed and bank, thereby minimising significant changes to the existing sedimentation pattern / mudflats in Shan Pui River and Old Kam Tin River. Energy dissipators could be designed at the outlet to protect the downstream Shan Pui River from erosion by further reducing the flow velocity.	YLBS / Detailed Design Phase and Operation Phase	Detailed Design Engineer / Project Proponent	✓			✓	EIAO-TM
S7.8	<u>*Reducing glare/lighting*</u> – No night-time construction works would be required under this Project (construction hours: 07:00 – 19:00) while the operations of the pumping stations and E&M room will be unmanned, only safety light will be turned on. In light of the presence of light sensitive mammal species of conservation importance, Great Cormorants that roost on trees at Nam Sang Wai and Bent-winged Firefly, the overall reduction of glare during both construction and operation phases should also be considered. A balance between lighting for safety, and avoiding excessive lighting can be achieved through the use of directional lighting to avoid light spill into sensitive areas, and control/timing of lighting periods of some facilities. Major construction site lighting should point inward and downward to minimize glare disturbance to wildlife at night. The intensity of light should also be controlled to the lowest possible level. To avoid the potential disturbance impact on the Bent-winged Firefly, any outdoor lighting associated with the construction works of the barrage after 1800 should be avoided during May to September.	YLBS / Detailed Design Phase, Construction Phase and Operation Phase	Detailed Design Engineer / Contractor(s) / Project Proponent	✓	✓		✓	EIAO-TM
	Mitigation							
S7.8	<u>*Translocation of Gobiopterus macrolepis*</u> – Within YLTN Section 4 of the Project Site, fish species of conservation importance i.e. *Gobiopterus macrolepis* was recorded. Direct impact to this species is likely in the works area of the tidal barrier during construction phase, and translocation of this species is recommended. Capture-and-translocation of this fish species will be implemented in the works area	YLTN Section 4 / Before construction	Contractor(s) – ecologists		✓			EIAO-TM

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
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	of the tidal barrier and pumping station prior to construction works to minimize the impacts on this species of conservation importance.							
S7.8	The capture-and-translocation exercise should be undertaken by ecologists with relevant experience. Besides the primary target of *Gobiopterus macrolepis*, other aquatic species of conservation importance should also be translocated if encountered during the capture exercise. Captured individuals will be released to suitable habitats with records of the species during the exercises. As the works area of the tidal barrier subjects to tidal influence, it is recommended the capture exercise should be conducted during low tide, to allow the fish or other aquatic fauna evacuate with the tide. Measures to prevent recolonization of aquatic fauna in the works area should be formulated.	YLTN Section 4 / Before construction	Contractor(s) – ecologists		✓			EIAO-TM
S7.8	*Gobiopterus macrolepis* were recorded along the Shan Pui River, Kam Tin River, the confluence of Shan Pui River and Kam Tin River, and the reedbed in Nam Sang Wai, all these locations can be considered as potential receptor sites for fish translocation. As the abundance of this species was higher in the reedbed of Nam Snag Wai, it is considered a more favourable habitat for this species and hence the priority of the receptor site would be there.	YLTN Section 4 / Before construction	Contractor(s) – ecologists		✓			EIAO-TM
S7.8	The detailed fish translocation plan and ecologists involved in the translocation should be submitted to relevant authorities including AFCD for approval prior to commencement of the fish translocation. The plan should include brief description on pre-translocation fish survey, translocation methodology, identification of fish receptor site, post-translocation monitoring methodology, and measures to prevent recolonization of aquatic fauna in the works area of the tidal barrier.	YLTN Section 4 / Before construction	Contractor(s) – ecologists					
8. Fisheries								
S8.8	The proposed works are confined within the Proposed Project Boundary. Fishponds within the assessment area have been avoided.	Whole Site / Construction Phase	Contractor(s)		✓			-

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
S8.8	Controlling Site Runoff In order to minimize the potential indirect fisheries impacts due to deterioration of water quality on the adjacent ponds as much as possible, guidelines for handling and disposal of construction discharges as well as appropriate mitigation measures and good site practices as detailed in Water Quality Chapter to control runoff from the construction site and prevent runoff and drainage water with high levels of suspended solids and oil / grease from directly entering the nearby fishponds. In particular, measures and good site practices stipulated in the ProPECC PN 1/94 "Construction Site Drainage" and in ETWB TC (Works) No. 5/2005 "Protection of Natural Streams / Rivers from Adverse Impacts Arising from Construction Works" to minimise surface runoff and the chance of erosion should be followed to minimise potential impacts to nearby fisheries resources. Relevant mitigation measures include: • Construction works should be programmed to minimize soil excavation in the wet season (i.e. April to September). If soil excavation cannot be avoided in these months or at any time of year when rainstorms are likely, temporarily exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds; • Construction works close to the inland waters should be carried out in the dry season as far as practicable where the flow in the surface channel or stream is low; • Open stockpiles of construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm run-off from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of rainstorm; • Surface run-off from construction sites should be discharged into storm drains via adequately designed sand / silt removal facilities such as sand traps, silt traps and sedimentation basins; • Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate	Whole Site / Construction Phase	Contractor(s)		✓			ProPECC PN 1/94 ETWB TC(W) No. 5/2005 WPCO

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	drainage like intercepting channels should be provided where necessary. • Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis. • Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly (as well as at the onset of and after each rainstorm) to prevent overflows and localized flooding.							
S8.8	Minimizing Chance of Accidental Spillage and Potential Contamination of Surface Water and Groundwater The Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes. Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges. Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes to avoid accidents. • Storage area should be selected at a safe location on site and adequate space	Whole Site / Construction Phase	Contractor(s)		✓			WDO Waste Disposal (Chemical Waste) (General) Regulation The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance

EIA & EM&A Ref.(1)	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	should be allocated to the storage area.							
S8.11 of EIA and S8.1 of EM&A Manual	As no unacceptable adverse fisheries impacts are anticipated during construction or operational phases, no specific monitoring programme for fisheries is required. Regular audits should be undertaken to ensure the effectiveness of the mitigation measures and good site practices recommended during construction phase for further controlling the water quality impacts, as these measures also serve to protect fisheries resources.	Whole Site / Construction Phase	ET and IEC		✓			EIAO-TM
9. Built Heritage								
S9.6	A condition survey will be carried out by qualified building surveyor or engineer in advance of works for identified buildings that may be affected by ground-borne vibration. The Condition Survey Report should contain descriptions of the structure, identification of fragile elements, an appraisal of the condition and working methods for any proposed monitoring and precautionary measures that are recommended.	Heritage structures HB-17, HB-18, HB-30 / Before Construction	Contractor(s)		✓			-
S9.6	Vibration monitoring should be undertaken during the construction works to ensure that safe levels of vibration are not exceeded. An Alert, Alarm and Action (AAA) vibration limit set at 5 / 6 / 7.5 mm/s for heritage buildings (PNAP APP-137-Appendix A) should be adopted. The AAA vibration limit for the buildings to be graded by AAB should be determined by the future grading. The condition survey report should highlight if the limit should be lowered after the detailed study of the condition of the buildings and structures. A monitoring schedule, the location of monitoring equipment, the frequency of monitoring, reporting requirements and action plan should be included in the condition survey report. The location of any monitoring equipment in the building must be approved by the owner and AMO before installation. Reinstatement to all affected areas is required.	Heritage structures HB-17, HB-18, HB-30 / Construction Phase	Contractor(s)		✓			PNAP APP-137-Appendix A
S9.6	A buffer zone should be provided to separate the building or structure from the construction works. The buffer zone should be clearly marked out by temporary	Heritage structures	Contractor(s)		✓			-

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	fencing, if temporary fencing is not appropriate signage may be used to identify the heritage item to be avoided. The buffer zone should be made at least 1m from the proposed works or if this is not possible as large as the site restrictions allow.	HB-17, HB-18, HB-30, HB-31 / Construction Phase						
S9.6	Any proposed works in close proximity to buildings or structures used by the public have the potential to create an unsafe environment for members of the public. The contractor should ensure that safe public access if possible, through provision of clearly marked paths separated from the construction works areas is provided for any such affected cultural heritage structure.	Heritage structures HB-17, HB-18, HB-30, HB-31 / Construction Phase	Contractor(s)		✓			-
10. Landscape and Visual								
S10.7.4	CM1 - The construction area and contractor's temporary works areas should be minimised to reduce visual impacts and avoid impacts on adjacent landscape. CM2 - Reduction of construction period to practical minimum. CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase. CM4 - Construction traffic kept to a practical minimum. CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours. CM6 - Avoidance of excessive height and bulk of site buildings and structures. CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods. CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Documents. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the	Whole Site / Construction Phase	Contractor(s)		✓			DEVB TC(W) No. 4/2020

EIA & EM&A Ref.[1]	Environmental Protection Measures	Location / Timing of the Measures	Implementation Agent	Implementation Stage*				Relevant Legislation & Guidelines
				Des	C	Post-C	O	
	Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.							
S10.7.4	OM1 - Enhanced nullah bed with replacement of concrete lining with natural substrates and planting. OM2 - Enhanced nullah sides with appropriate hard and soft finishes and parapet treatments. OM3 - Enhanced adjacent streetscape with paving, planting and furniture in a manner that responds to the existing and planned urban context. OM4 - Additional viewpoints, seating areas and open space within or adjacent to nullah. OM5 - Enhanced nullah crossings including vehicular, pedestrian and utility bridges with upgraded finishes and treatments. OM6 - Sensitively designed barrage and structures in terms of scale, height and bulk (visual weight). OM7 - Barrage and drainage works visually integrated with their surroundings through use of appropriate building materials and finishes. OM8 - Barrage lighting units to be directional and minimise unnecessary light spill and glare. For further details, see "Charter on External Lighting" and "Guidelines on Industry Best Practices for External Lighting Installations" promulgated by the Environmental Bureau. OM9 - Compensatory tree planting for all felled trees in accordance with relevant Government tree protection requirements. (Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars during the detailed design phase). OM10 - Green roofs and vertical greening on barrage pumping stations and E&M control building.	Whole Site including Barrage / Detailed Design and Operation Phase	Detailed Design Engineer / Project Proponent	✓			✓	-

* Des = Design; C = Construction; Post-C = Post Construction / Before Operation; O = Operation

Appendix H1- Implementation Schedule and Recommended Mitigation Measures

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
1. Air Quality Measures								
S4.8	Relevant dust control measures stipulated in the *Air Pollution Control (Construction Dust) Regulation*, and good site practices will be incorporated as the Contract Specifications for implementation throughout the construction period. These include: • The works area for site clearance and excavation should be sprayed with water before, during and after the operation so as to maintain the entire surface wet. • Restricting heights from which materials are to be dropped, as far as practicable to reduce the fugitive dust arising from unloading/ loading. • Immediately before leaving a construction site, all vehicles should be washed to remove any dusty materials from the bodies and wheels. However, all spraying of materials and surfaces should avoid excessive water usage. • Where a vehicle leaving a 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 will not leak from the vehicle. • Erection of hoarding along the site boundary, where appropriate. • Any stockpile of dusty materials should be covered entirely by impervious sheeting; and/or placed in an area sheltered on the top and three sides. • All dusty materials should be sprayed with water immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet. • Reduce the traffic induced dust dispersion and re-suspension, the travelling speed of vehicles within the site should be controlled. • Regular maintenance of construction equipment deployed on-site will be	Whole Site	Contractor(s)		✓			Air Pollution Control (Construction Dust) Regulation

(1) Unless otherwise stated, the reference refers to the relevant section of the EIA Report.

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	conducted to prevent black smoke emission.							
S4.8	Excavated nullah bed materials that are placed on trucks for disposal should be properly covered with tarpaulin sheets during transportation to minimise the release of any potential odour. The odorous excavated material should be placed as far away from the sensitive receivers as possible. Odorous river bed material excavated during construction phase should be removed off-site as soon as practicable within 24 hours to avoid any odour nuisance.	Whole Site	Contractor(s)		✓		✓	-
S4.8	During operation phase, mitigation measures are considered necessary when materials generated from the maintenance works are found to be odorous, and the following measures should be implemented by the Contractor. • Temporarily stockpile odorous material as far away from ASRs as possible; and • Temporary stockpiles of odorous material will be properly covered with tarpaulin and should be removed off-site as soon as practically possible within 24 hours to avoid any odour nuisance arising.	Whole Site	Contractor(s)				✓	
S4.8	To reduce odour impacts from the DWF pumping station, the following measures should be implemented. • The DWF pumping station should be enclosed inside building structure and maintained with negative pressure; • The DWF pumping station should be equipped with deodourization unit using activated carbon or other equivalent odour removal techniques with odour removal efficiency of 99.5%; • The exhaust outlet of the deodourization unit should be located in a direction away from the nearby ASRs, with a view to maximizing the separation distance between the exhaust outlet and the nearest ASR; and • Regular maintenance of the deodourization unit should be conducted to ensure its effectiveness.	DWF pumping station	Contractor(s)				✓	

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
S4.11 of EIA Report, S3.3 and S3.4 of EM&A Manual	Weekly site inspection and monthly odour patrol measurement.	Whole Site	ET & IEC	✓	✓			
2. Noise								
S5.8	The following good site practices should be followed during the construction of the Project: • Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction phase; • Silencers or mufflers on construction equipment should be utilized where required and should be properly maintained during the construction phase; • Mobile plant, if any, should be sited as far from NSRs as possible; • Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and • Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities.	Whole Site	Contractor(s)		✓			-
S5.8	Use quiet PME as far as practicable to mitigate the construction noise impact.	Whole Site	Contractor(s)		✓			-
S5.8	Noise insulating sheet would be adopted for PME such as drill rig. The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints.	Whole Site	Contractor(s)		✓			-

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
S5.8	In view of the close proximity between NSRs and the works areas for construction of DWFI system, fixed temporary noise barriers shall be deployed at the working section as far as practicable. Fixed temporary noise barriers of 3m in height with skid footing should be used and located within a few metres of stationary plant and mobile plant such that the line of sight to the NSR is blocked by the barriers. The length of the barrier should be at least five times greater than its height. The noise barrier material should have a sufficient surface density of at least 7 kg/m2 and have no openings or gaps.	Works Areas for DWFI System	Contractor(s)		✓			A Practical Guide for the Reduction of Noise from Construction Works
S5.8	Scheduling of construction activities with identified grouping of PMEs. Only one group of PME would be operated at any one time for each construction activity for reducing the construction noise impact.	Whole Site	Contractor(s)		✓			-
S5.8	<u>Special arrangement during examination period</u> • The contractor shall liaise with the school management about the arrangements during examination weeks. • PMEs shall not be used at the closest works areas (i.e. Section B1 for NSR14 and Section A3 for NSR18) during the examination period.	Relevant Works Areas for Construction of DWFI System	Contractor(s)		✓			
S5.8	During operation phase, the following measures shall be implemented as far as practicable to minimise the potential impact: • Quieter plant should be chosen as far as practical; • Include noise levels specification when ordering new plant items; • All openings, including louvres for ventilation and machine room doors should be oriented away from the NSRs as far as practicable; • Silencers, acoustic louvres or acoustic doors should be used where necessary;	DWF pumping station	Contractor(s)				✓	

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	and • Develop and implement a regularly scheduled plant maintenance programme so that plant items are properly operated and serviced. The programme should be implemented by properly trained personnel.							
S5.7	The specified SWLs presented in **Annex 5C-3** of the EIA Report should be included in the tender specification.	DWF pumping station	Contractor(s)				✓	
S5.11 of EIA and S4.4 of EM&A Manual	Weekly noise monitoring at five monitoring stations and weekly site inspection and audit of construction activities.	Whole Site	ET & IEC	✓	✓			Environmental Impact Assessment Ordinance
3. Water Quality								
S6.7	<u>*General Construction Site Practice*</u> The Contractor should observe and comply with the *Water Pollution Control Ordinance* and its subsidiary regulations and obtain a discharge license under the Ordinance. The Contractor should carry out the Project works in such a manner as to minimize adverse impacts on the water quality during execution of the works. In particular he should arrange his method of working to minimize the effects on the water quality within and outside the Project Site and on the transport routes. In addition, the management of construction site drainage from the Project will follow guidelines provided in *ProPECC PN 1/94.*	Excavation Site	Contractor(s)		✓			-
S6.7	<u>*Construction Site Runoff and Drainage*</u> Proper site management measures should be implemented to control site runoff and drainage, and thereby prevent high sediment loadings from reaching downstream	Whole Site	Contractor(s)		✓			ProPECC PN 1/94 "Construction Site Drainage"

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	sections of the river/stream and adjacent agricultural land, if any. The Contractor should follow the practices, and be responsible for the design, construction, operation and maintenance of all the mitigation measures. The design of the mitigation measures should be submitted by the Contractor to the Engineer for approval. These mitigation measures shall include the following practices to minimize site surface runoff and the chance of erosion, and also to retain and reduce any suspended solids prior to discharge: • Before commencing any work, all sewer and drainage connections should be sealed to prevent debris, soil, sand etc. from entering public sewers/drains. • Provision of perimeter channels to intercept storm-runoff from outside the site. These should be constructed in advance of the construction works. • Temporary ditches such as channels, earth bunds or sand bag barriers should be included to facilitate runoff discharge into the stormwater drain, via a sand/silt basin/trap. • Works programme should be designed to minimize works areas at any one time, thus minimizing exposed soil areas and reducing the potential for increased siltation and runoff. • Sand/silt removal facilities such as sand traps, silt traps and sediment basins should be provided to remove the sand/silt particles from run-off where necessary. These facilities should be properly and regularly cleaned and maintained. These facilities should be carefully planned to ensure that they would be installed at appropriate locations to capture all surface water generated on site. • Careful programming of the works to avoid excavation works during the rainy season. • Temporary access roads (if any) should be protected by crushed gravel and exposed slope surfaces shall be protected when rainstorms are likely; and • Open stockpiles of construction materials on-site should be covered with tarpaulin or similar fabric during rainstorms to prevent erosion.							

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
S6.7	<u>*Use of Containment Structures and Diversion Channels*</u> The use of containment structures and diversion channels is recommended wherever practicable to facilitate a dry or at least confined excavation within the nullah. For example, nullah water should be contained within the works area before the commencement of excavation by the use of sand bag barriers. Water within the contained area should be discharged to the nullah before excavation commences to create the dry conditions. Nullah water should also be diverted from the works area through the use of diversion channel constructed by materials such as concrete blocks. Details of the containment structures and diversion channels should be provided by the Contractor to the Engineer for approval before commencement of construction works for the Project. By limiting or confining the works areas the extent of disturbance to the surrounding water bodies will be significantly reduced, and thus resulting impacts on water quality from sediment re-suspension will be reduced. Furthermore, excavation works in the nullah should be carried out during periods of low flow (dry season from November to March) as far as practicably to reduce impacts on downstream water quality and sensitive receivers. These measures will be implemented to ensure compliance with the *Water Pollution Control Ordinance* and its subsidiary regulations.	Whole Site	Contractor(s)		✓			-
S6.7	<u>*Sewage and Wastewater Discharge*</u> All discharges during the construction phase of the Project are required to comply with the *Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-ICW)* issued under *Section 21* of the *WPCO*. Domestic sewage/wastewater generated by workforce on-site should be collected in a suitable storage facility such as portable chemical toilets. An adequate number of portable toilets will be provided during the construction phase. These toilets should be maintained in a state that will not deter the workers from using them. The collected sewage/wastewater will be discharged into the foul	Whole Site	Contractor(s)		✓			Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-ICW) issued under Section 21 of the WPCO

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	sewer or transferred to the Government sewage treatment works by a licensed collector.							
S6.7	*Storage and Handling of Oil, Other Petroleum Products and Chemicals* The following mitigation measures should be implemented for the storage and handling of oil, other petroleum products and chemicals: • Waste streams classifiable as chemical wastes should be properly stored, collected and treated for compliance with Waste Disposal Ordinance or Disposal (Chemical Waste) (General) Regulation requirements. • All fuel tanks and chemical storage areas should be provided with locks and be sited on paved areas. • The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled oil, fuel and chemicals from reaching the receiving waters. • Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance. • Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should, as far as possible, be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor.	Whole Site	Contractor(s)		✓			Waste Disposal Ordinance or Disposal (Chemical Waste) (General) Regulation
S6.7	*Handling of Spillage / Leakage* In the event that accidental spillage or leakage of hazardous substances / chemical wastes occur, the response procedures as listed below should be followed. It should be noted that the procedures below are not exhaustive and the contractor should propose other response procedures in the emergency contingency plan based on the particular types and quantities of chemicals or hazardous substances used, handled and stored on-site. • Oil leakage or spillage should be contained and cleaned up immediately. Waste	Whole Site	Contractor(s)		✓			Waste Disposal Ordinance

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance. • Instruct untrained personnel to keep at a safe distance well away from the spillage area. • If the spillage / leakage involves highly toxic, volatile or hazardous waste, initiate emergency evacuation and call the emergency service. • Only trained persons equipped with suitable protective clothing and equipment should be allowed to enter and clean up the waste spillage / leakage area. • Where the spillage/ leakage is contained in the enclosed storage area, the waste can be transferred back into suitable containers by suitable handheld equipment, such as hand operated pumps, scoops or shovels. If the spillage / leakage quantity is small, it can be covered and mixed with suitable absorbing materials such as tissue paper, dry soft sand or vermiculite. The resultant slurry should be treated as chemical waste and transferred to suitable containers for disposal. • For spillage / leakage in other areas, immediate action is required to contain the spillage / leakage. Suitable liquid absorbing materials such as tissue paper, dry soft sand or vermiculite should be used to cover the spill. The resultant slurry should be treated as chemical waste and transferred to suitable containers for disposal. • Areas that have been contaminated by chemical waste spillage / leakage should be cleaned. While water is a soluble solvent for aqueous chemical wastes and water soluble organic waste, kerosene or turpentine should be used for organic chemical wastes that are not soluble in water. The waste from the cleanup operation should be treated and disposed of as chemical waste. • In incidents where the spillage / leakage may result in significant contamination of an area or risk of pollution, the EPD should be informed immediately.							

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
S6.7	*Maintenance Works* The following considerations should be included in planning for the maintenance works during operation: (a) Maintenance of the channels should be restricted to annual silt removal when the accumulated silt will adversely affect the hydraulic capacity of the channel, except during emergency situations where flooding risk is imminent. Desilting should be carried out by hand or light machinery during the dry season when water flow is low. (b) Vegetation removal should be limited to manual cutting to be carried out during dry season and only when growth of vegetation is very likely to impede channel flow. (c) Phasing of the works should be considered to better control and reduce any impacts caused. Where possible, works should be carried out along half width of the drainage channel in short sections. A free passage along the drainage channel is necessary to avoid forming stagnant water in any phase of the works. (d) Containment structures (such as sand bags barrier) should be provided for the desilting works area to facilitate a dry or at least confined working area within the drainage channel. (e) The locations for the disposal of the removed materials should be identified and agreement sought with the relevant departments before commencement of the maintenance works. Temporary stockpile of waste materials should be located away from the channel and properly covered. These waste materials should be disposed of in a timely and appropriate manner. (f) Effective temporary flow diversion scheme should be implemented and the generated wastes should be collected and disposed off-site properly to avoid adversely affecting the water quality of the drainage system.	Maintenance works area	Contractor(s)				✓	-
S6.7	*Emergency Response Plan*	Project Site	DSD				✓	-

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	An Emergency Response Plan should be developed before the commencement of the Project's operation in order to provide details on the emergency arrangement in case of breakdown of the DWFI system. The proposed system includes overflowing pipes with outlets on both sides of the nullah. When water rises to a certain level, stormwater within the underground system will be released and directly discharged into the nullah. This prevents further back-up into the upstream system and the side branches. The discharge of stormwater directly into the nullah is consistent with the existing drainage pattern.							
S6.10 of EIA and S5.2 of EM&A Manual	Baseline monitoring should be undertaken for three times per week for a period of four weeks before commencement of the construction works to establish baseline water quality conditions of the area. Impact monitoring should be undertaken for three times per week during the construction period to obtain water quality data of the area throughout the construction period for comparison with the baseline water quality data and hence determine any water quality impacts from the construction activities. Post Project monitoring should also be undertaken three times per week for four weeks after the completion of construction works.	Upstream and downstream of the Work Area	Contractor(s)	✓	✓	✓		-
4. Waste Management								
S7.6	*General* The HKSAR Government's construction and demolition waste management policy follows the same hierarchy as for other wastes i.e. in order of desirability: avoidance, minimisation, recycling, treatment and safe disposal of waste.	Contract mobilisation	Contractor(s)	✓	✓			Waste Disposal Ordinance DEVB TC(W) No 6/2010, Trip Ticket

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	Training of construction staff should be undertaken by the contractor about the concept of site cleanliness and appropriate waste management procedures. The contractor should develop and provide toolbox talk for on-site sorting of C&D materials to enhance worker's awareness in handling, sorting, reuse and recycling of C&D materials. Requirements for staff training should be included in the contractor's Environmental Management Plan (EMP). Good planning and site management practice should be employed to eliminate over ordering or mixing of construction materials to reduce wastage. Proper storage and site practices will minimise the damage or contamination of construction materials. Where waste generation is unavoidable, the potential for recycling or reuse should be rigorously explored. If waste cannot be recycled, disposal routes described in the EMP should be followed. A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be implemented. In order to monitor the disposal of C&D material and solid wastes at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be included. One may make reference to DEVB TC(W) No. 6/2010 for details. Regular cleaning and maintenance of the waste storage area should be provided.							System for Disposal of Construction & Demolition Materials
S7.6	*On-site Sorting, Reuse and Recycling* All waste materials should be segregated into categories covering: • Inert C&D materials suitable for reuse on-site; • Inert C&D materials suitable for public fill reception facilities; • Recyclable C&D waste for recycling; • Remaining C&D waste for landfill; • Chemical waste; and • General refuse for landfill.	Contract mobilisation	Contractor(s)		✓			Waste Disposal Ordinance WBTC Nos. 6/2002 and 6/2002A, Enhanced Specification for Site Cleanliness and

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	Proper segregation and disposal of construction waste should be implemented. Separate containers should be provided for inert and non-inert wastes. Sorting is important to recover materials for reuse and recycling. Specific area should be allocated for on-site sorting of C&D materials and to provide a temporary storage area for those sorted materials. If area is limited, all C&D materials should at least be sorted on-site into inert and non-inert components. Non-inert materials (C&D waste) such as bamboo, timber, vegetation, packaging waste and other organic materials should be reused and recycled wherever possible and disposed of to designated landfill only as a last resort. Inert materials (public fill) such as concrete, stone, clay, brick, soil, asphalt and the like should be separated and reused in this or other projects (subject to approval by the relevant parties in accordance with the *DEVB TC(W) No. 6/2010*) before disposed of at a public filling facility operated by CEDD. Steel and other metals should be recovered from demolition waste stream and recycled. The reuse of inert materials such as soil, rock and broken concrete should be maximised. Waste should be separated into fine, soft and hard materials. With the use of a crusher coarse material can be crushed to make it suitable for use as fill material where fill is required in the works. This minimises the use of imported material and maximises use of the C&D material produced.							Tidiness. DEVB TC(W) No. 6/2010
S7.6	*Excavated Materials* Control measures for temporary stockpiles on-site should be taken in order to minimize the noise, generation of dust, pollution of water and visual impact. These measures include: • Surface of stockpiled soil should be regularly wetted with water especially during dry season; • Disturbance of stockpiled soil should be minimized;	Contract mobilisation	Contractor(s)	✓	✓			Waste Disposal Ordinance DEVB TC(W) No. 6/2010

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	• Stockpiled soil should be properly covered with tarpaulin especially when heavy rain storms are predicted; • Stockpiling areas should be enclosed where space is available; • Stockpiling location should be away from the water bodies; and • An independent surface water drainage system equipped with silt traps should be installed at the stockpiling area. The identification of final disposal sites for C&D materials generated by the construction works will be considered during the detailed design stage of the Project when the volume and types of C&D materials can be more accurately estimated. The Public Fill Committee of CEDD should be consulted on designated outlets (e.g. public filling area) for public fill, whilst EPD should be consulted on landfills for C&D waste. Disposal of C&D waste to landfill must not have more than 50% (by weight) inert material. The C&D waste delivered for landfill disposal should contain no free water and the liquid content should not exceed 70% by weight: In order to avoid dust or odour impacts, any vehicle leaving a works area carrying C&D waste or public fill should have their load covered up before leaving the construction site. C&D materials should be disposed of at designated public fill reception facilities or landfills. Disposal of these materials for use at other construction projects is subject to the approval of the Engineer and/or other relevant reception authorities. Furthermore, unauthorized disposal of C&D materials in particular on private agricultural land is prohibited and may be subject to relevant enforcement and regulating actions. The disposal of public fill and C&D waste will be controlled through trip-ticket system in accordance with *DEVB TC(W) No. 6/2010*.							
S7.6	*Chemical Waste* Where the construction processes produce chemical waste, the contractor must	Whole Site	Contractor(s)		✓			Waste Disposal (Chemical Waste)

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	register with EPD as a chemical waste producer. Wastes classified as chemical wastes are listed in the *Waste Disposal (Chemical Waste) (General) Regulation*. These wastes are subject to stringent disposal routes. EPD requires information on the particulars of the waste generation processes including the types of waste produced, their location, quantities and generation rates. A nominated contact person must be registered with EPD. An updated list of licensed chemical waste collector can be obtained from EPD. Storage, handling, transport and disposal of chemical waste should be arranged in accordance with the *Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes* published by EPD, and should be collected by a licensed chemical waste collector. Suitable containers should be used for specific types of chemical wastes, containers should be properly labelled (English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations), resistance to corrosion, stored safely and closely secure. Stored volume should not be kept more than 450 liters unless the specification has been approved by the EPD. Storage area should be enclosed by three sides by a wall, partition of fence that is at least 2 m height or height of tallest container with adequate ventilation and space. Hard standing, impermeable surfaces draining via oil interceptors should be provided in works area compounds. Interceptors should be regularly emptied to prevent release of oils and grease into the surface water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain. Oil and fuel bunkers should be bunded and/or enclosed on three sides to prevent discharge due to accidental spillages or breaches of tanks. Bunding should be of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste, whichever is largest. Waste collected from any grease traps should be collected and disposed of by a licensed contractor.							(General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes DEVB TC(W) No. 6/2010

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	Lubricants, waste oils and other chemical wastes are likely to be generated during the maintenance of vehicles and mechanical equipment. Used lubricants should be collected and stored in individual containers which are fully labelled in English and Chinese and stored in a designated secure place. If possible, such waste should be sent to oil recycling companies, and the empty oil drums collected by appropriate companies for reuse or refill. The registered chemical waste producer (i.e. the contractor) has to arrange for the chemical waste to be collected by licensed collectors. The licensed collector should regularly take chemical waste to a licensed chemical waste treatment facility (such as the Chemical Waste Treatment Centre in Tsing Yi). A trip ticket system operates to control the movement of chemical wastes. No lubricants, oils, solvents or paint products should be allowed to discharge into water courses, either by direct discharge, or as contaminants carried in surface water runoff from the construction site.							
S7.6	*General Works Waste* **Concrete Waste** Dry concrete waste (considered as public fill) should be sorted out from the other wastes and recycled for reuse or sorted out for disposal at designated public filling facilities. **Wooden Materials** All wooden materials used on-site should be kept separate from other wastes to avoid damage and to facilitate reuse. Timber which cannot be reused should be sorted out from other waste and stored separately from all inert waste before being	Whole Site	Contractor(s)		✓			Waste Disposal (Chemical Waste) (General) Regulation WBTC No. 19/2001 - Metallic Site Hoardings and Signboards

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	disposed of to landfill. Reusable steel or concrete panel shutters, fencing and hoarding and signboard should be used as a preferred alternative to items made of wood, to minimise wastage of wood. Attention should be paid to WBTC No. 19/2001 - Metallic Site Hoardings and Signboards to reduce the amount of timber used on construction sites. Metallic alternatives to timber are readily available and should be used rather than new timber. Precast concrete units should be adopted wherever feasible to minimize the use of timber formwork. Only waste material need be taken to a landfill. It should be separated from recyclable wood and steel materials. As for all waste types these materials should be reused on-site or other approved sites before disposal is considered as an option. Disposal to landfill should only be considered as a final option. Contractors are responsible for storage of re-useable materials on-site. **General Refuse** General refuse generated on-site should be stored in enclosed bins or skips and collected separately from other construction and chemical wastes and disposed of at designated landfill. A temporary refuse collection point should be set up by the contractor to facilitate the collection of refuse by licensed contractors. The removal of waste from the site should be arranged on a daily or at least on every second day by the contractor to minimise any potential odour impacts, minimise the presence of pests, vermin and other scavengers and prevent unsightly accumulation of waste. The recyclable component of the general waste generated by the workforce, such as aluminium cans, paper and cleansed plastic containers should be separated from other waste. Provision and collection of recycling bins for different types of recyclable waste should be set up by the contractor. The contractor should also be responsible for arranging recycling companies to collect these materials.							

EIA &EM&A Ref.(1)	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	Floating Refuse Any floating refuse trapped within the Project Area shall be collected by contractor and disposed to landfill.							
S7.6	During operation phase, the silt materials and debris collected during maintenance should be properly packed and transported to designated landfill for disposal as soon as possible. All chemical waste should be properly stored, labelled and removed by licensed waste collectors in accordance with Waste Disposal (Chemical Waste) (General) Regulation.	Whole Site	Contractor(s)				✓	Waste Disposal (Chemical Waste) (General) Regulation
S7.9	To facilitate monitoring and control over the contractors' performance on waste management, a waste monitoring and audit programme will be implemented throughout the construction phase and a Waste Management Plan (WMP) will be prepared and implemented by the contractor in accordance with ETWB TC(W) No. 19/2005. The aims of the monitoring and audit programme are. • To review the WMP, which will form part of the EMP in accordance with ETWB TC(W) No. 19/2005, including the quantities and types of C&D materials generated, reused and disposed of off-site; the amount of fill materials exported from/imported to the site and the quantity of timber used in temporary works construction for each process/activity; • To monitor the implementation and achievement of the WMP on site to assess its effectiveness; and • To monitor the follow-up actions on deficiencies identified. Site inspections will be undertaken each week. Particular attention will be given to the contractor's provision of sufficient spaces, adequacy of resources and facilities for on-site sorting and temporary storage of C&D materials. The C&D materials to be disposed of from the site will be visually inspected to ensure the absence of non-	All facilities	Contractor(s)		✓			ETWB TC(W) No. 19/2005

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	inert materials (e.g. general refuse, timber, etc). The waste to be disposed of at landfills will as practicable contain no observable inert or reusable/recyclable C&D materials (e.g. soil, broken rock, metal, and paper/cardboard packaging, etc). Any irregularities observed during the site inspections will be raised promptly to the contractor for rectification. The findings of the waste inspections will be reported in the monthly Environmental Monitoring and Audit Report.							
5. Ecology								
S8.9	The construction of rising main shall be conducted outside dry season (i.e. November to March) as an avoidance measure.	Site within WBA (i.e. rising mains)	Contractor(s)		✓			-
S8.9	With implementation of mitigation measures for air quality, noise and water quality stipulated in Sections 4.8, 5.8 and 6.7, no unacceptable adverse ecological impact arising from the Project during construction phase is anticipated.	Whole Site	Contractor(s)		✓			-
6. Landscape & Visual								
S9.6	<u>Good site practice</u> Construction site should be kept clean and tidy and construction material should be stored in order. Canvas sheets should be used to cover the exposed earth. Unused construction and demolition (C&D) debris should be removed as soon as the reinstatement works are completed.	Whole Site	Contractor(s)		✓			-
S9.6	<u>Erection of decorative screen hoarding</u> Each site should be provided with decorative screen hoarding compatible with surrounding setting.	Whole Site	Contractor(s)	✓	✓			-
S9.6	<u>Tree preservation</u> The existing trees shall be preserved as far as possible. The retained existing trees on	Whole Site	Contractor(s)	✓	✓			

EIA &EM&A Ref.[1]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
	site shall be protected carefully during construction. The requirement specified in "Guidelines on Tree Preservation during Development" issued by Development Bureau shall be followed. Tree preservation should include protection measures for existing trees and greenery.							
S9.6	Tree transplanting / compensatory tree planting According to the latest design, all trees will be preserved and no tree felling is expected. In case of trees unavoidably affected by the Project during construction, tree transplanting shall be conducted as far as possible. Any unavoidable tree felling shall be mitigated by compensatory tree planting.	Whole Site	Contractor(s)	✓	✓	✓		
S9.6	A minimum lighting will be maintained at night time as general lighting provision for security reason.	DWF Pumping Station	Contractor(s)				✓	
S9.6	Green roof and shrub planting will be provided for the DWF pumping station. The roof structure will be planted with trees and groundcovers to reduce glaring effect and give a green appearance of the roof structure. Shrub planting is proposed to be planted within the site boundary to further enhance the development with lush greenery.	DWF Pumping Station	Contractor(s)		✓	✓	✓	
S9.6	Vertical greening will be provided on the external walls without the coverage of architectural elements.	DWF Pumping Station	Contractor(s)		✓	✓	✓	
S9.6	The proposed architectural design of the DWF pumping station will utilize the surrounding landscape to blend the buildings with the surrounding environment. The building will maintain a low profile to reduce the visual impact.	DWF Pumping Station	Contractor(s)	✓	✓	✓	✓	
S7.3 of EM&A Manual	A photographic record of the Project Site at the time of the Contractor's possession should be prepared by the Contractor and approved by the Engineer Representative (ER).	Whole Site	Contractor(s)	✓				
S7.4 of EM&A Manual	A specialist Landscape Sub-Contractor should be employed by the Contractor for the implementation of landscape construction works and subsequent maintenance operations during the 12-month establishment period.	Whole Site	Contractor(s)		✓	✓		

EIA &EM&A Ref.[1)]	Environmental Protection Measures	Location of the Measures	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
				Pre-C	C	Post-C	O	
S7.4 of EM&A Manual	All measures undertaken by both the Contractor and the specialist Landscape Sub-Contractor during the construction phase and first year of the operation phase should be audited by a Registered Landscape Architect, as a member of the Environmental Team (ET), on a regular basis to ensure compliance with the intended aims of the measures.	Whole Site	ET		✓	✓		
S7.4 of EM&A Manual	Site audits should be undertaken at least once every two weeks during the construction phase of the Project and once every two months during the operation phase to ensure that the proposed mitigation measures and good site practices proposed to manage and mitigate landscape and visual impacts, are implemented.	Whole Site	ET		✓	✓		

APPENDIX I
WASTE GENERATED QUANTITY

Contract No.: DC/2022/03

Yuen Long Barrage and Nullah Improvement Schemes

Monthly Summary Waste Flow Table (2023)

Month	Total Quantity Generated (Sum of a - l)	Accumulated Quantities of Inert C&D Materials Generated Monthly					Accumulated Quantities of Non-inert C&D Wastes Generated Monthly						
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
		Broken Concrete Recycled	Broken Concrete Disposed as Public Fill	Excavated Materials Reused in this Project	Excavated Materials Reused in other Projects	Excavated Materials Disposed as Public Fill	Mixed Wastes Disposed at Sorting Facility	Metals Recycled	Paper/ Cardboard Packaging Recycled	Timber Recycled	Plastics Recycled	Chemical Waste Collected	Others, e.g. General Refuse Disposed at Landfill
	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)
January													
February													
March													
April													
May													
June													
July													
August													
September													
October													
November													
December	44.390	0.000	0.000	0.000	0.000	42.120	0.000	0.000	0.000	0.000	0.002	0.000	2.270
Total	44.390	0.000	0.000	0.000	0.000	42.120	0.000	0.000	0.000	0.000	0.002	0.000	2.270

Note:
1. Excavated materials will not be considered as construction waste
2. Disposal of inert waste to public fill will be excluded from the calculation of the waste recycling rate

Recycled materials = $\frac{(a) + (g) + (h) + (i) + (j)}{(a) + (b) + (f) + (g) + (h) + (i) + (j) + (k) + (l)}$ = 0.0 tonne / 2.3 tonne

Waste Recycling Rate = $\frac{\text{Recycled materials}}{\text{Total C\&D waste generated}} \times 100\%$ = 0.1%

Contract No.: DC/2022/03

Yuen Long Barrage and Nullah Improvement Schemes

Monthly Summary Waste Flow Table (2024)

Month	Total Quantity Generated (Sum of a - k)	Accumulated Quantities of Inert C&D Materials Generated Monthly				Accumulated Quantities of Non-inert C&D Wastes Generated Monthly						
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
		Hard Rock and Large Broken Concrete Recycled	Reused in this Project	Reused in other Projects	Disposed as Public Fill	Disposed at Sorting Facility	Metals Recycled	Paper/ Cardboard Packaging Recycled	Timber/Wood Pallet Recycled	Plastics Recycled	Chemical Waste Collected	Others, e.g. General Refuse Disposed at Landfill
	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)
2023	58.72	0.00	0.00	0.00	56.45	0.00	0.00	0.00	0.00	0.00	0.00	2.27
January	47.64	0	0	0	28.70	0	0	0.01	0	0	0	18.93
February	9.81	0	0	0	0.00	0	0	0.00	0	0	0	9.81
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
Total	**116.17**	**0.0**	**0.0**	**0.0**	**85.15**	**0.0**	**0.00**	**0.01**	**0.0**	**0.003**	**0.00**	**31.01**

Note:
1. Excavated materials will not be considered as construction waste
2. Disposal of inert waste to public fill will be excluded from the calculation of the waste recycling rate

Recycled materials = $\frac{(a) + (c) + (d) + (g) + (h) + (i) + (j)}{(a)+(b)+(c)+(d)+(e)+(f)+(g)+(h)+(i)+(j)+(k)}$ = 0.01 tonne

Total C&D waste generated = 116.17 tonne

Waste Recycling Rate = $\frac{\text{Recycled materials}}{\text{Total C\&D waste generated}}$ x 100% = 0.01%

APPENDIX J
SUMMARY OF EXCEEDANCES

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes

Appendix J – Summary of Exceedance

Reporting Period: December 2023 – February 2024

(A) Exceedance Report for Air Quality

Construction Dust
No Action/Limit Level exceedance was recorded for 1-hour TSP monitoring in the reporting month.

Odour
No Action/Limit Level exceedance was recorded as no monitoring was conducted during the reporting period.

(B) Exceedance Report for Construction Noise

Action Level for Construction Noise
No action level exceedances were recorded due to the documented complaints received in this reporting month.

Limit Level for Construction Noise
No limit level exceedance for daytime construction noise monitoring was recorded in the reporting month.

(C) Exceedance Report for Water Quality
Seventeen (17) Action Level and Ninety-five (95) Limit Level exceedances were recorded in the reporting month.

(D) Exceedance Report for Ecology
No exceedance was recorded for ecological monitoring in the reporting month.

(E) Exceedance Report for Fisheries
(NIL in the reporting month)

(F) Exceedance Report for Cultural Heritage
No exceedance for cultural heritage monitoring was recorded in the reporting month.

(G) Exceedance Report for Landscape and Visual
No non-conformity for landscape and visual was recorded during site inspection.

Date of Water Quality Monitoring: **22 December 2023**

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO) /~~ Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	C1	Mid-depth	6.2	W1	11:05	42.6	45.5	7.4	8.0	**17.8**
Mid-Ebb	C2	Mid-depth	9.8	W1	11:05	42.6	45.5	11.8	12.8	**17.8**
Mid-Ebb	C1	Mid-depth	6.2	W2	11:17	97.2	111.3	7.4	8.0	**16.6**
Mid-Ebb	C2	Mid-depth	9.8	W2	11:17	97.2	111.3	11.8	12.8	**16.6**
Mid-Flood	C1	Mid-depth	6.2	W1	15:41	42.6	45.5	7.4	8.0	**18.6**
Mid-Flood	C2	Mid-depth	9.8	W1	15:41	42.6	45.5	11.8	12.8	**18.6**
Mid-Flood	W2	Mid-depth	11.0	W1	15:41	-	-	13.2	14.3	**18.6**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **22 December 2023**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C1	Mid-depth	13.0	W1	11:05	44.2	44.4	15.6	16.9	**19.5**
Mid-Ebb	C2	Mid-depth	9.4	W1	11:05	44.2	44.4	11.2	12.2	**19.5**
Mid-Ebb	C1	Mid-depth	13.0	W2	11:17	126.3	132.9	15.6	16.9	**20.1**
Mid-Ebb	C2	Mid-depth	9.4	W2	11:17	126.3	132.9	11.2	12.2	**20.1**
Mid-Flood	C1	Mid-depth	13.0	W1	15:41	44.2	44.4	15.6	16.9	**34.8**
Mid-Flood	C2	Mid-depth	9.4	W1	15:41	44.2	44.4	11.2	12.2	**34.8**
Mid-Flood	W2	Mid-depth	17.9	W1	15:41	-	-	21.4	23.2	**34.8**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (***Italic***)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (***Italic)***
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 27 December 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C1	Mid-depth	40.8	W2	15:46	126.3	132.9	49.0	53.1	**73.3**
Mid-Ebb	M1	Mid-depth	50.5	W2	15:46	126.3	132.9	60.6	65.7	**73.3**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (***Italic***)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (***Italic)***
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 29 December 2023

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO) /~~ Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	C1	Mid-depth	13.1	W1	15:04	42.6	45.5	15.7	17.0	**20.0**
Mid-Ebb	C2	Mid-depth	9.7	W1	15:04	42.6	45.5	11.6	12.6	**20.0**
Mid-Ebb	C1	Mid-depth	13.1	W2	15:20	97.2	111.3	15.7	17.0	**18.1**
Mid-Ebb	C2	Mid-depth	9.7	W2	15:20	97.2	111.3	11.6	12.6	**18.1**
Mid-Flood	C1	Mid-depth	13.1	W1	11:42	42.6	45.5	15.7	17.0	**40.2**
Mid-Flood	C2	Mid-depth	9.7	W1	11:42	42.6	45.5	11.6	12.6	**40.2**
Mid-Flood	W2	Mid-depth	16.7	W1	11:42	-	-	20.0	21.6	**40.2**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (***Italic***)

Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (***Italic)***

*DA: Depth-Averaged

Date of Water Quality Monitoring: **29 December 2023**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	Mid-depth	8.1	W1	15:04	44.2	44.4	9.7	10.6	**22.9**
Mid-Ebb	C2	Mid-depth	8.1	W2	15:20	126.3	132.9	9.7	10.6	**27.3**
Mid-Flood	C1	Mid-depth	26.7	W1	11:42	44.2	44.4	32.0	34.7	***44.5***
Mid-Flood	C2	Mid-depth	8.1	W1	11:42	44.2	44.4	9.7	10.6	***44.5***
Mid-Flood	M1	Mid-depth	54.9	W1	11:42	44.2	44.4	65.9	71.3	***44.5***
Mid-Flood	W2	Mid-depth	21.4	W1	11:42	-	-	25.6	27.8	**44.5**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 03 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	W2	DA	21.2	W1	14:31	44.2	44.4	25.5	27.6	**44.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 03 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	UM	DA	23.6	W1	14:31	42.6	45.5	28.3	30.7	**30.2**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 05 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	W2	DA	30.7	W1	14:11	44.2	44.4	36.9	40.0	**41.1**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 08 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	16.3	W1	15:52	42.6	45.5	19.6	21.2	**19.7**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 10 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	18.1	W1	13:31	42.6	45.5	21.8	23.6	***57.0***
Mid-Ebb	UM	DA	18.1	W2	13:44	97.2	111.3	21.8	23.6	**45.5**
Mid-Flood	UM	DA	18.1	W1	8:27	42.6	45.5	21.8	23.6	**32.1**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **10 January 2024**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	73.7	W1	8:27	44.2	44.4	88.4	95.8	***45.6***
Mid-Flood	W2	DA	37.8	W1	8:27	44.2	44.4	45.4	49.1	***45.6***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 12 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	15.3	W1	14:38	42.6	45.5	18.3	19.8	**20.9**
Mid-Ebb	UM	DA	15.3	W2	14:49	97.2	111.3	18.3	19.8	**22.5**
Mid-Flood	UM	DA	15.3	W1	11:14	42.6	45.5	18.3	19.8	**44.1**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **12 January 2024**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	6.7	W1	14:38	44.2	44.4	8.0	8.7	**24.2**
Mid-Ebb	UM	DA	6.7	W2	14:49	126.3	132.9	8.0	8.7	**63.6**
Mid-Flood	UM	DA	6.7	W1	11:14	44.2	44.4	8.0	8.7	**42.5**
Mid-Flood	W2	DA	32.0	W1	11:14	44.2	44.4	38.4	41.6	**42.5**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 15 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	18.3	W1	11:20	42.6	45.5	22.0	23.8	**24.4**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **15 January 2024**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	85.6	W1	15:09	44.2	44.4	102.7	111.3	***59.3***
Mid-Ebb	UM	DA	85.6	W2	15:23	126.3	132.9	102.7	111.3	**119.6**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 17 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	W2	DA	29.7	W1	12:01	44.2	44.4	35.7	38.7	**38.2**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 17 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	15.0	W1	12:01	42.6	45.5	18.0	19.5	**19.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: **19 January 2024**

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	13.1	W1	13:18	42.6	45.5	15.7	17.0	**17.8**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **19 January 2024**

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	106.5	W1	13:18	44.2	44.4	127.8	138.5	***44.6***
Mid-Flood	W2	DA	27.7	W1	13:18	44.2	44.4	33.2	36.0	***44.6***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **19 January 2024**

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	3.1	W1	9:34	2.1	2.1	***1.1***
Mid-Ebb	UM	DA	3.1	W2	9:47	3.3	3.3	***1.2***
Mid-Flood	UM	DA	3.1	W1	13:18	2.1	2.1	***1.7***
Mid-Flood	W2	DA	2.9	W1	13:18	2.1	2.1	***1.7***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 22 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	69.0	W1	11:23	44.2	44.4	82.8	89.7	***47.4***
Mid-Flood	W2	DA	22.3	W1	15:40	44.2	44.4	26.8	29.0	**42.7**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 22 January 2024

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	3.4	W1	11:23	2.1	2.1	***1.5***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 24 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	W2	DA	24.6	W1	10:16	44.2	44.4	29.5	31.9	**41.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 26 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	52.1	W1	10:48	44.2	44.4	62.6	67.8	***49.7***
Mid-Flood	W2	DA	19.1	W1	10:48	44.2	44.4	23.0	24.9	***49.7***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 26 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	14.9	W1	10:48	42.6	45.5	17.8	19.3	**22.1**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 29 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	76.1	W1	15:23	44.2	44.4	91.4	99.0	***48.0***
Mid-Flood	UM	DA	76.1	W1	11:24	44.2	44.4	91.4	99.0	***58.8***
Mid-Flood	W2	DA	39.7	W1	11:24	44.2	44.4	47.7	51.7	***58.8***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 29 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	W2	DA	18.2	W1	11:24	42.6	45.5	21.8	23.7	**23.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 31 January 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	67.9	W1	11:09	44.2	44.4	81.4	88.2	***52.2***
Mid-Flood	W2	DA	29.7	W1	11:09	44.2	44.4	35.7	38.7	***52.2***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 31 January 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	16.6	W2	15:38	97.2	111.3	19.9	21.6	**20.9**
Mid-Flood	W2	DA	12.1	W1	11:09	42.6	45.5	14.5	15.8	**18.2**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 05 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	W2	DA	16.0	W1	10:49	44.2	44.4	19.2	20.8	**21.8**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 05 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	UM	DA	16.1	W1	10:49	42.6	45.5	19.3	20.9	**24.1**
Mid-Flood	W2	DA	12.0	W1	10:49	42.6	45.5	14.4	15.6	**24.1**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (***Italic***)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (***Italic)***
*DA: Depth-Averaged

Date of Water Quality Monitoring: **05 February 2024**

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	5.0	W1	10:49	2.1	2.1	***1.2***
Mid-Flood	W2	DA	12.0	W1	10:49	2.1	2.1	***1.2***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 07 February 2024

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	3.7	W1	11:50	2.1	2.1	***1.2***
Mid-Ebb	UM	DA	3.7	W2	11:58	3.3	3.3	***1.7***
Mid-Flood	UM	DA	3.7	W1	14:38	2.1	2.1	***1.2***
Mid-Flood	W2	DA	22.0	W1	14:38	2.1	2.1	***1.2***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 09 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	18.7	W1	13:49	44.2	44.4	22.5	24.4	**32.1**
Mid-Ebb	UM	DA	18.7	W2	13:58	126.3	132.9	22.5	24.4	**37.8**
Mid-Flood	UM	DA	18.7	W1	10:40	44.2	44.4	22.5	24.4	**43.3**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 09 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	19.4	W2	13:58	97.2	111.3	23.3	25.3	**26.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 14 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	47.3	W1	11:16	44.2	44.4	56.7	61.4	***77.1***
Mid-Flood	W2	DA	73.0	W1	11:16	44.2	44.4	87.6	94.9	***77.1***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- <u>Notification of Exceedance</u>

Date of Water Quality Monitoring: <u>14 February 2024</u>

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	UM	DA	23.2	W1	11:16	42.6	45.5	27.9	30.2	***<u>77.1</u>***
Mid-Flood	W2	DA	62.8	W1	11:16	42.6	45.5	75.3	81.6	***<u>77.1</u>***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
<u>Bold with underline</u> means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 16 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	49.3	W1	11:46	44.2	44.4	59.2	64.1	***45.4***
Mid-Flood	W2	DA	23.3	W1	11:46	44.2	44.4	28.0	30.3	***45.4***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 16 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	UM	DA	15.1	W1	11:46	42.6	45.5	18.1	19.6	**19.6**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 19 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Flood	UM	DA	18.7	W1	11:39	42.6	45.5	22.5	24.4	**24.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 19 February 2024

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	UM	DA	3.4	W1	11:39	2.1	2.1	***1.6***
Mid-Flood	W2	DA	19.9	W1	11:39	2.1	2.1	***1.6***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 21 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	52.9	W1	15:04	44.2	44.4	63.4	68.7	***45.5***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 21 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	16.5	W1	15:04	42.6	45.5	19.8	21.4	**28.3**
Mid-Ebb	UM	DA	16.5	W2	15:18	97.2	111.3	19.8	21.4	**29.2**
Mid-Flood	UM	DA	16.5	W1	11:29	42.6	45.5	19.8	21.4	**26.4**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 23 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB) /~~ Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	37.0	W1	12:40	44.2	44.4	44.4	48.1	***52.9***
Mid-Ebb	UM	DA	37.0	W2	12:55	126.3	132.9	44.4	48.1	**74.5**
Mid-Flood	UM	DA	37.0	W1	9:20	44.2	44.4	44.4	48.1	***48.5***
Mid-Flood	W2	DA	21.1	W1	9:20	44.2	44.4	25.4	27.5	***48.5***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 23 February 2024

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	21.4	W2	12:55	97.2	111.3	25.6	27.8	**40.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **23 February 2024**

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO) ~~/ Turbidity (TURB) / Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	4.0	W2	12:55	3.3	3.3	***3.1***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged (Surface, Middle)

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: 26 February 2024

Part A – Exceedance Summary Tables

Table I: Parameter(s) – ~~Dissolved Oxygen (DO) / Turbidity (TURB)~~ / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	UM	DA	26.2	W1	15:12	44.2	44.4	31.4	34.1	***46.2***
Mid-Ebb	UM	DA	26.2	W2	15:12	126.3	132.9	31.4	34.1	**50.7**
Mid-Flood	UM	DA	26.2	W1	11:00	44.2	44.4	31.4	34.1	***59.7***
Mid-Flood	W2	DA	88.9	W1	11:00	44.2	44.4	106.7	115.6	***59.7***

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Date of Water Quality Monitoring: **26 February 2024**

Part A – Exceedance Summary Tables

Table II: Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	18.2	W1	15:12	42.6	45.5	21.9	23.7	**25.4**
Mid-Ebb	UM	DA	18.2	W2	15:12	97.2	111.3	21.9	23.7	**28.5**
Mid-Flood	UM	DA	18.2	W1	11:00	42.6	45.5	21.9	23.7	**27.0**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)
Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic)**
*DA: Depth-Averaged

Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes

- Notification of Exceedance

Date of Water Quality Monitoring: **28 February 2024**

Part A – Exceedance Summary Tables

Table II: **Parameter(s) – ~~Dissolved Oxygen (DO)~~ / Turbidity (TURB) / ~~Suspended Solids (SS)~~**

Tide	Control Station(s)	Depth	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Mid-Ebb	UM	DA	18.3	W1	15:02	42.6	45.5	21.9	23.7	**23.7**
Mid-Ebb	UM	DA	18.3	W2	15:16	97.2	111.3	21.9	23.7	**29.9**
Mid-Flood	UM	DA	18.3	W1	11:35	42.6	45.5	21.9	23.7	**29.3**

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (***Italic***)

Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (***Italic)***

*DA: Depth-Averaged

APPENDIX K
SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFICATION OF SUCCESSFUL PROSECUTION

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes

Appendix K – Summary of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Reporting Period: December 2023 – February 2024

Table K-1 Environmental Complaint Records

Log Ref.	Complaint No.	ICC Case No.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Remarks: No environmental complaint was received in the reporting period.

Appendix K – Summary of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Table K-2 Environmental Warning Records

Log Ref.	Location	Received Date	Details of Warning	Status
N/A	N/A	N/A	N/A	N/A

Remarks: No environmental warning was received in the reporting period.

Table K-3 Environmental Summon and Prosecution Records

Log Ref.	Location	Received Date	Details of Summon and Prosecution	Status
N/A	N/A	N/A	N/A	N/A

Remarks: No environmental summon and prosecution was received in the reporting period.

Appendix K – Summary of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Table K-4 Summary of Cumulative Complaint Log

Reporting Month/Year	Number of Complaints in Reporting Month	Number of Summons in Reporting Month	Number of Prosecutions in Reporting Month
December 2023	0	0	0
January 2024	0	0	0
February 2024	0	0	0
Total	0	0	0

APPENDIX L
EVENT AND ACTION PLAN

Event and Action Plan for Air Quality (Odour)

Event	Action			
	ET	IEC	ER	Contractor
Exceedance of Action Level	• Identify source/ reason of exceedance or complaint • Prepare the odour complaint form or the Notification of Exceedance within 24 hours • Inform DSD, EPD, IEC, ER and Contractor whether the cause of exceedance is due to the Project • Discuss remedial actions with the IEC and the Contractor • Assess effectiveness of Contractor's remedial actions and keep the IEC and Contractor informed of the results	• Review the analyzed results submitted by the ET • Review the proposed remedial measures by the Contractor and advise the ER accordingly • Supervise the implementation of remedial measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures; • Make agreement on the mitigation measures to be implemented	• Rectify any unacceptable practice • Amend working methods as required • Implement amended working methods, if necessary

Event	Action			
	ET	IEC	ER	Contractor
Exceedance of Limit Level	• Identify source(s)/ reason of exceedance or complaint • Prepare the odour complaint form or the Notification of Exceedance within 24 hours • Inform DSD, EPD, IEC, ER and Contractor whether the cause of exceedance is due to the Project • Assess effectiveness of Contractor's remedial actions and keep the IEC and Contractor informed of the results	• Review the analyzed results submitted by the ET • Review the proposed remedial measures by the Contractor and advise the ER accordingly • Supervise the implementation of remedial measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures • Request Contractor to critically review the working methods • Make agreement on the mitigation measures to be implemented • Assess the effectiveness of the implemented mitigation measures	• Rectify any unacceptable practice • Submit proposals for remedial actions to IEC within 3 working days of notification • Implement the agreed proposal or amend working methods as required • Re-submit proposals if problem still not under control

Event and Action Plan for Air Quality (Dust)

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	1. Identify source, investigate the causes of complaint and propose remedial measures; 2. Inform Contractor, IEC and ER; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; and 3. Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	1. Identify source(s), investigate the causes of exceedance and propose remedial measures; 2. Implement remedial measures; and 3. Amend working methods agreed with the ER as appropriate.
Action level being exceeded by two or more consecutive sampling	1. Identify source; 2. Inform Contractor, IEC and ER; 3. Advise the Contractor and ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with Contractor, IEC and ER; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise the ET and ER on the effectiveness of the proposed remedial measures; and 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source and investigate the causes of exceedance; 2. Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal as appropriate.

Event	Action			
	ET	IEC	ER	Contractor
Limit level being exceeded by one sampling	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; and 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; and 5. Amend proposal if appropriate.
Limit level being exceeded by two or more consecutive sampling	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET; 2. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 3. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 4. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Supervise the implementation of remedial measures; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; 4. Implement the agreed proposals; 5. Revise and resubmit proposals if problem still not under control; and 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Construction Noise

Event	Action			
	ET	IEC	ER	Contractor
When Action Level is reached/exceeded	• Notify IEC, DSD, EPD, ER and Contractor; • Carry out investigation; • Report the results of investigation to the IEC, DSD, EPD, ER and Contractor; • Discuss with the Contractor and formulate remedial measures; • Increase monitoring frequency to check mitigation effectiveness	• Review the analyzed results submitted by the ET; • Review the proposed remedial measures by the Contractor and advise the ER accordingly; • Supervise the implementation of remedial measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures; • Make agreement on the mitigation measures to be implemented	• Submit noise mitigation proposals to IEC; • Implement noise mitigation proposals
When Limit Level is reached/exceeded	• Notify IEC, DSD, EPD, ER and Contractor; • Identify source; • Carry out investigation; • Report the results of investigation to the IEC, DSD, EPD, ER and Contractor; • Discuss with the Contractor and formulate remedial measures; • Increase monitoring frequency to check mitigation effectiveness	• Review the analyzed results submitted by the ET; • Review the proposed remedial measures by the Contractor and advise the ER accordingly; • Supervise the implementation of remedial measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures; • Request Contractor to critically review the working methods; • Make agreement on the mitigation measures to be implemented; • Assess the effectiveness of the implemented mitigation measures	• Submit noise mitigation proposals to IEC; • Implement noise mitigation proposals

Event and Action Plan for Water Quality

Event	Action			
	ET	IEC	ER	Contractor
Action Level being exceeded	• Repeat measurement to confirm findings; • Identify source(s) of impact; • Inform DSD, IEC, Contractor, ER and EPD; • Check monitoring data, all plant, equipment and Contractor's working methods; • Discuss mitigation measures with DSD, IEC, Contractor and ER; • Repeat measurement on next day of exceedance	• Discuss with DSD, ET, ER and Contractor on the mitigation measures; • Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; • Assess the effectiveness of the implemented mitigation measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures; • Make agreement on the mitigation measures to be implemented.	• Inform the ER and confirm notification of the non-compliance in writing; • Rectify unacceptable practice; • Check all plant and equipment • Consider changes of working methods; • Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER; • Implement the agreed mitigation measures
Limit Level being exceeded	• Repeat measurement to confirm findings; • Identify source(s) of impact; • Inform DSD, IEC, Contractor, ER and EPD; • Check monitoring data, all plant, equipment and Contractor's working methods; • Discuss mitigation measures with DSD, IEC, ER and Contractor; • Ensure mitigation measures are implemented; • Increase the monitoring frequency to daily until no exceedance of Limit level	• Discuss with DSD, ET, ER and Contractor on the mitigation measures; • Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; • Assess the effectiveness of the implemented mitigation measures	• Discuss with DSD, IEC, ET and Contractor on the proposed mitigation measures; • Request Contractor to critically review the working methods; • Make agreement on the mitigation measures to be implemented; • Assess the effectiveness of the implemented mitigation measures	• Inform the ER and confirm notification of the non-compliance in writing; • Rectify unacceptable practice; • Check all plant and equipment; • Consider changes of working methods; • Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3 working days; • Implement the agreed mitigation measures

Event and Action Plan for Landscape and Visual (YLTN)

Action Level	ET Leader	IEC	ER	Contractor
Non-conformity Identified	1. Inform Contractor, IEC and ER 2. Discuss remedial measures with IEC, ER and Contractor 3. Monitor remedial measures until rectification has been completed	1. Check the Contractor's working method 2. Discuss with ETL and Contractor on possible remedial measures 3. Advise ER on effectiveness of proposed remedial measures. 4. Check implementation of remedial measures.	1. Ensure remedial measures are properly implemented	1. Amend working methods 2. Propose remedial measures 3. Rectify non-conformity and undertake any necessary remedial measures.

Event and Action Plan for Landscape and Visual (YLBS)

Action Level	Action			
	ET	IEC	ER	Contractor
Design Check	• Check final design conforms to the requirements of EP and prepare report	• Check report. • Recommend remedial design if necessary	• Undertake remedial design if necessary	• --
Non-conformity on one occasion	• Identify source • Inform IEC and DSD / ER • Discuss remedial actions with IEC, DSD / ER and Contractor • Monitor remedial actions until rectification has been completed	• Check report • Check Contractor's working method • Discuss with ET and Contractor on possible remedial measures • Advise DSD / ER on effectiveness of proposed remedial measures • Check implementation of remedial measures	• Notify Contractor • Ensure remedial measures are properly implemented	• Amend working methods to prevent recurrence of non-conformity • Propose remedial measures • Rectify damage and undertake additional action necessary
Repeated non-conformity	• Identify source • Inform IEC and DSD / ER • Increase monitoring frequency • Discuss remedial actions with IEC, DSD / ER and Contractor • Monitor remedial actions until rectification has been completed • If non-conformity stops, cease additional monitoring.	• Check monitoring report • Check Contractor's working method • Discuss with ET and Contractor on possible remedial measures • Advise DSD / ER on effectiveness of proposed remedial measures • Supervise implementation of remedial measures	• Notify Contractor • Ensure remedial measures area properly implemented	• Amend working methods to prevent recurrence of non-conformity • Rectify damage and undertake additional action necessary

APPENDIX M
ECOLOGICAL MONITORING RESULT AND GRAPHICAL PRESENTATION

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes

Appendix M – Summary of Ecology Monitoring Analysis

Reporting Period: Dec 2023 – Feb 2024

Table M-1 Summary Result of T-Test Analysis

Reporting Months	T-Test Analysis result			
	Abundance of Waterbirds	**Abundance of Avifauna Species of Conservation Importance**	**Diversity of Waterbirds**	**Diversity of Avifauna Species of Conservation Importance**
Dec 2023	✓	✓	✕*	✕^
Jan 2024	✓	✓	✕*	✕^
Feb 2024	✓	✓	✓	✓

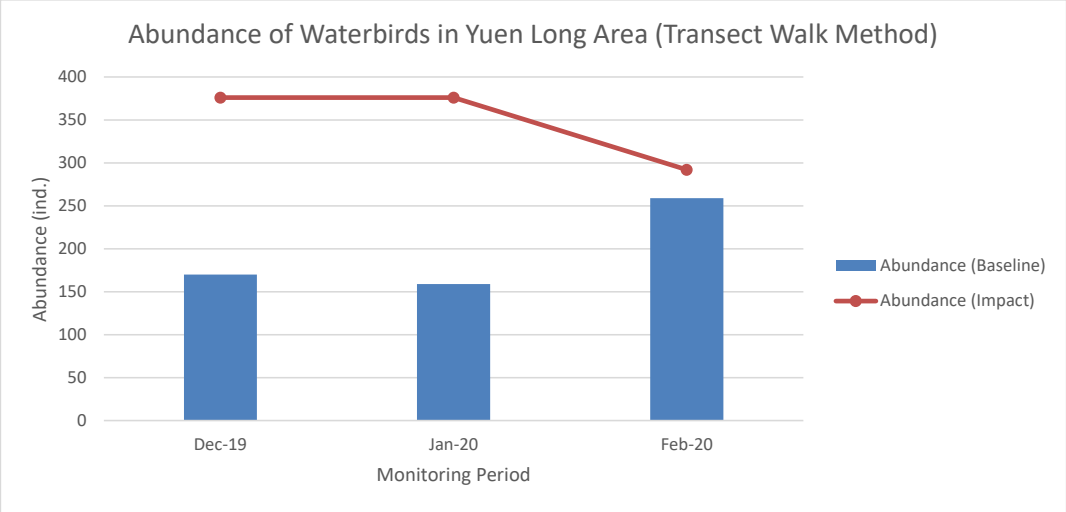
Remarks:

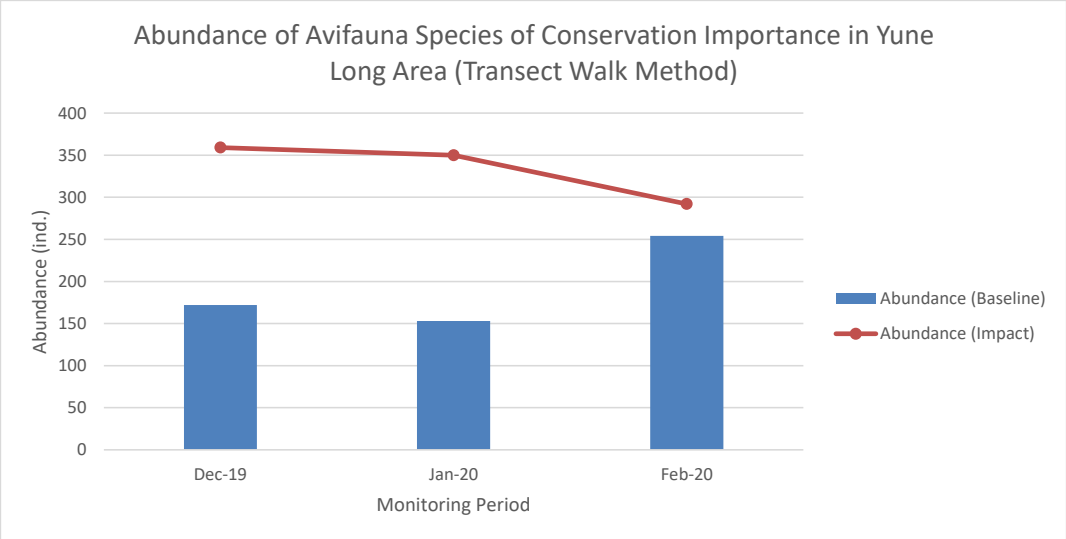
✓ = T-value is less than T-critical value, the impact monitoring data shows no significant difference to the baseline data.

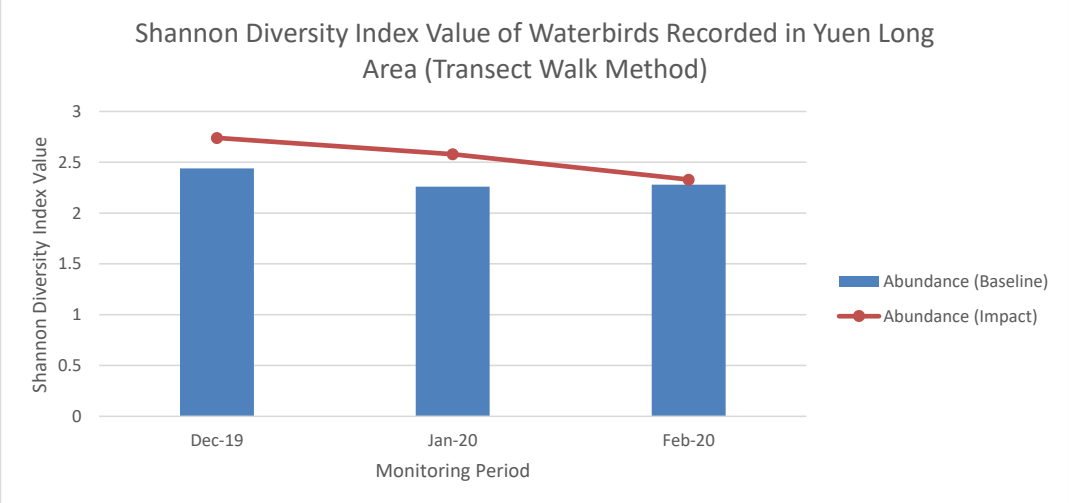
✕ = T-value is larger than T-critical value, the impact monitoring data shows significant difference to the baseline data.

*Significant increase on Diversity of Waterbirds

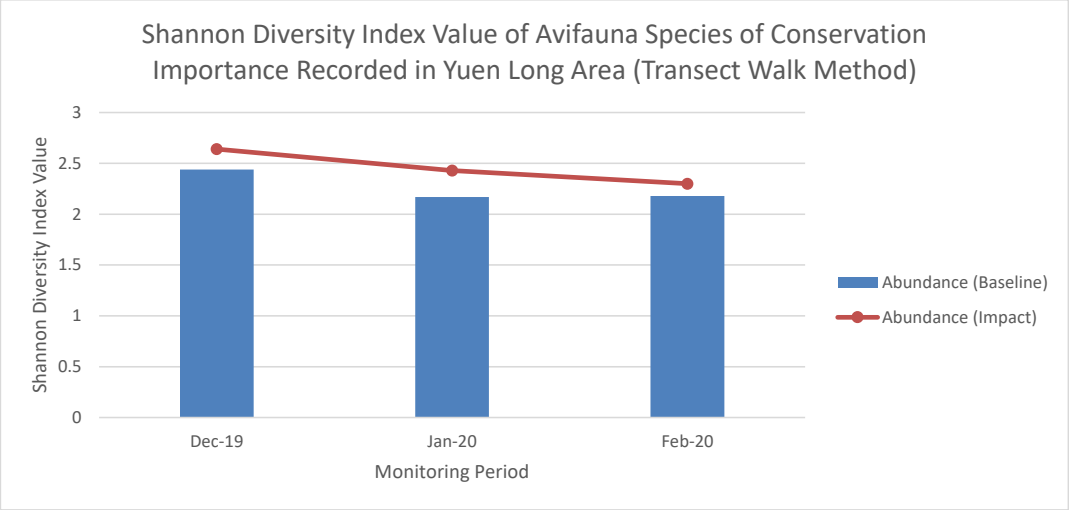
^ Significant increase on Diversity of Avifauna Species of Conservation Importance

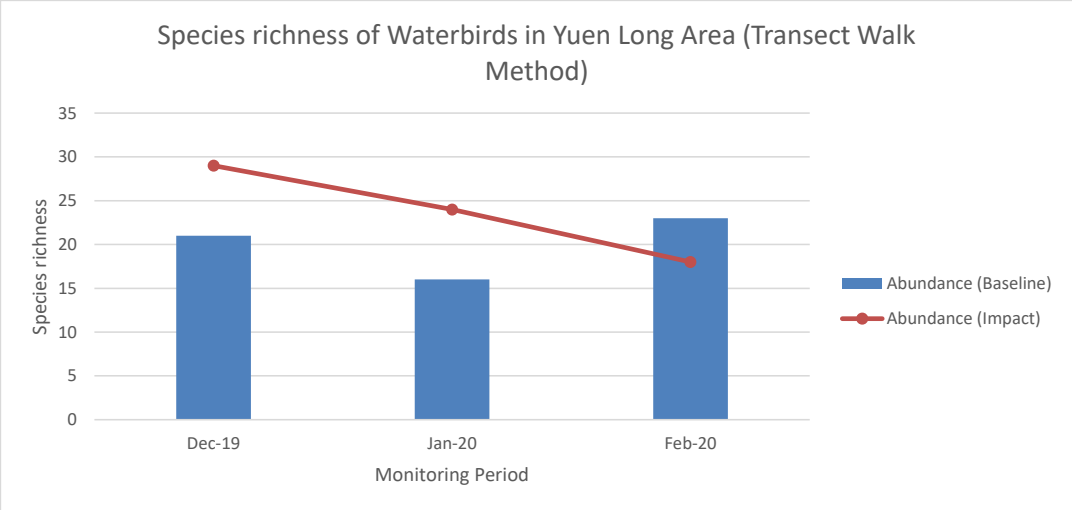


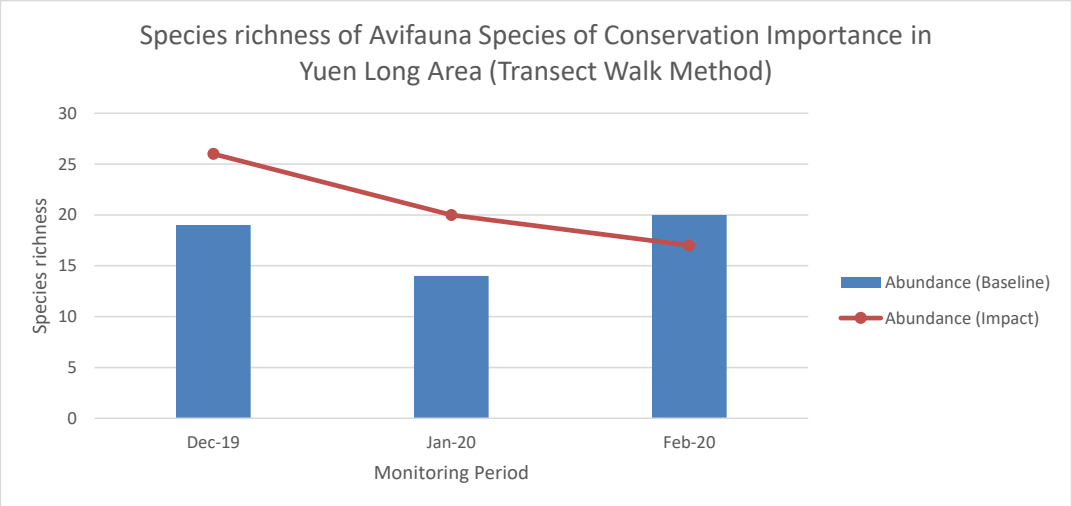




Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Ecological Monitoring	Scale: N.T.S	Project No.: MA23101	CINOTECH
	Date: Dec-24 to Feb-24	Appendix: M	







Title: Contract No. DC/2022/03 Yuen Long Barrage and Nullah Improvement Schemes Graphical Presentation of Ecological Monitoring	Scale: N.T.S Date: Dec-24 to Feb-24	Project No.: MA23101 Appendix: M	CINOTECH

APPENDIX N
ENVIRONMENTAL MONITORING SCHEDULES AND WEATHER INFORMATION

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Impact Air Quality and Noise Monitoring Schedule (December 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Dec	2-Dec
3-Dec	4-Dec	5-Dec	6-Dec	7-Dec	8-Dec	9-Dec
10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	15-Dec	16-Dec
17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec	23-Dec
				Commencement date of the Project	**1 TSP** (AM1-AM4) **Noise** (CM1-CM7) Waterbird Survey	
24-Dec	**25-Dec**	**26-Dec**	27-Dec	28-Dec	29-Dec	30-Dec
				1 TSP (AM1-AM4) **Noise** (CM1-CM7)		

*Odour patrol is required under the EM&A Manual for YLTN. As no nullah construction works will be commenced this month, odour patrol will not be included in this schedule.

Air Quality Monitoring Station

AM1	Fortune Pharmacal Co. Ltd
AM2	Shan Pui Chung Hau Tsuen
AM3	Nin Jiom Medicine Manufactory Limited
AM4	HK School of Motoring Road Safety Centre

Noise Monitoring Station

CM1	Shan Pui Chung Hau Tsuen
CM2	Caritas Yuen Long Chan Chun Ha Secondary School
CM3	Ma Tin Tsuen
CM4	Tung Tau Wai San Tsuen
CM5	Twin Regency
CM6	Tai Kiu Tsuen
CM7	CCC Chun Kwong Primary School

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Impact Water Quality Monitoring Schedule (December 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Dec	2-Dec
3-Dec	4-Dec	5-Dec	6-Dec	7-Dec	8-Dec	9-Dec
10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	15-Dec	16-Dec
17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec	23-Dec
				Commencement date of the Project	Mid-Ebb 9:31 Mid-Flood 16:06	
24-Dec	**25-Dec**	**26-Dec**	27-Dec	28-Dec	29-Dec	30-Dec
			Mid-Ebb 13:42 Mid-Flood 9:03		Mid-Ebb 14:54 Mid-Flood 10:22	

*N/A: Not Applicable

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Tentative Impact Air Quality and Noise Monitoring Schedule (Jnauary 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Jan	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan
			1 TSP (AM1-AM4) **Noise** (CM1-CM7)			
7-Jan	8-Jan	9-Jan	10-Jan	11-Jan	12-Jan	13-Jan
		1 TSP (AM1-AM4) **Noise** (CM1-CM7)				
14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan
	1 TSP (AM1-AM4) **Noise** (CM1-CM7) Waterbird Survey	Odour Patrol			**1 TSP** (AM1-AM4)	
21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan
				1 TSP (AM1-AM4) **Noise** (CM1-CM7)		
28-Jan	29-Jan	30-Jan	31-Jan			
			1 TSP (AM1-AM4) **Noise** (CM1-CM7)			

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

Air Quality Monitoring Station

AM1	Fortune Pharmacal Co. Ltd
AM2	Shan Pui Chung Hau Tsuen
AM3	Nin Jiom Medicine Manufactory Limited
AM4	HK School of Motoring Road Safety Centre

Noise Monitoring Station

CM1	Shan Pui Chung Hau Tsuen
CM2	Caritas Yuen Long Chan Chun Ha Secondary School
CM3	Ma Tin Tsuen
CM4	Tung Tau Wai San Tsuen
CM5	Twin Regency
CM6	Tai Kiu Tsuen
CM7	CCC Chun Kwong Primary School

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Tentative Impact Water Quality Monitoring Schedule (January 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Jan	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan
			Mid-Ebb N/A Mid-Flood 13:03		Mid-Ebb 8:00 Mid-Flood 14:15	
7-Jan	8-Jan	9-Jan	10-Jan	11-Jan	12-Jan	13-Jan
	Mid-Ebb 11:45 Mid-Flood 16:28		Mid-Ebb 13:14 Mid-Flood 08:20		Mid-Ebb 14:34 Mid-Flood 09:45	
14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan
	Mid-Ebb 17:09 Mid-Flood 11:42		Mid-Ebb N/A Mid-Flood 13:01		Mid-Ebb 8:00 Mid-Flood 14:07	
21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan
	Mid-Ebb 11:45 Mid-Flood 16:14		Mid-Ebb 13:02 Mid-Flood 08:20		Mid-Ebb 14:06 Mid-Flood 09:25	
28-Jan	29-Jan	30-Jan	31-Jan			
	Mid-Ebb 15:53 Mid-Flood 10:39		Mid-Ebb 17:04 Mid-Flood 11:18			

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

N/A: Not Applicable

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Tentative Impact Air Quality and Noise Monitoring Schedule (February 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Feb	2-Feb	3-Feb
					1 TSP (AM1-AM4)	
4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	**10-Feb**
				1 TSP (AM1-AM4) **Noise** (CM1-CM7)		
11-Feb	**12-Feb**	**13-Feb**	14-Feb	15-Feb	16-Feb	17-Feb
			1 TSP (AM1-AM4) **Noise** (CM1-CM7)		Waterbird Survey	
18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
	1 TSP (AM1-AM4) **Noise** (CM1-CM7)				**1 TSP** (AM1-AM4)	
25-Feb	26-Feb	27-Feb	28-Feb	29-Feb		
				1 TSP (AM1-AM4) **Noise** (CM1-CM7)		

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

Air Quality Monitoring Station

AM1	Fortune Pharmacal Co. Ltd
AM2	Shan Pui Chung Hau Tsuen
AM3	Nin Jiom Medicine Manufactory Limited
AM4	HK School of Motoring Road Safety Centre

Noise Monitoring Station

CM1	Shan Pui Chung Hau Tsuen
CM2	Caritas Yuen Long Chan Chun Ha Secondary School
CM3	Ma Tin Tsuen
CM4	Tung Tau Wai San Tsuen
CM5	Twin Regency
CM6	Tai Kiu Tsuen
CM7	CCC Chun Kwong Primary School

Contract No. DC/2022/03
Yuen Long Barrage and Nullah Improvement Schemes
Tentative Impact Water Quality Monitoring Schedule (February 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Feb	2-Feb	3-Feb
					Mid-Ebb N/A Mid-Flood 12:05	
4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb
	Mid-Ebb N/A Mid-Flood 09:20		Mid-Ebb 12:25 Mid-Flood 16:52		Mid-Ebb 13:46 Mid-Flood 08:44	
11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb
			Mid-Ebb 17:06 Mid-Flood 11:03		Mid-Ebb N/A Mid-Flood 11:50	
18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
	Mid-Ebb N/A Mid-Flood 09:56		Mid-Ebb 12:31 Mid-Flood 17:10		Mid-Ebb 13:38 Mid-Flood 08:27	
25-Feb	26-Feb	27-Feb	28-Feb	29-Feb		
	Mid-Ebb 15:00 Mid-Flood 09:27		Mid-Ebb 15:57 Mid-Flood 10:01			

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

N/A: Not Applicable as mid-ebb or mid-flood falls outside feasible monitoring time.

December 2023				
Table I				
Day	Mean Pressure (hPa)	Air Temperature Mean(°C)	Mean Relative Humidity (%)	Total Rainfall (mm)
21-Dec-23	1027.1	10.9	65.0	0.0
22-Dec-23	1030.1	10.5	51.0	0.0
23-Dec-23	1029.9	11.0	58.0	0.2
24-Dec-23	1028.6	13.3	52.0	0.0
25-Dec-23	1026.7	14.9	51.0	0.0
26-Dec-23	1025.2	16.6	63.0	0.0
27-Dec-23	1024.0	18.7	62.0	Trace
28-Dec-23	1022.3	20.1	73.0	Trace
29-Dec-23	1021.1	19.4	79.0	0.0
30-Dec-23	1018.3	20.7	70.0	Trace
31-Dec-23	1018.0	21.8	73.0	0.0

(Reporting Month: December 2023)

Remarks:

* Meterological data from Hong Kong Observatory Manned Weather Station was adopted.

Source - Hong Kong Observatory

December 2023			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
21 Dec 2023	12:00 AM	SSE	0.7
21 Dec 2023	1:00 AM	S	0.9
21 Dec 2023	2:00 AM	SE	0.6
21 Dec 2023	3:00 AM	SSE	1.0
21 Dec 2023	4:00 AM	SE	0.3
21 Dec 2023	5:00 AM	S	0.5
21 Dec 2023	6:00 AM	SSE	0.6
21 Dec 2023	7:00 AM	SSE	0.4
21 Dec 2023	8:00 AM	S	1.3
21 Dec 2023	9:00 AM	S	2.1
21 Dec 2023	10:00 AM	SW	2.0
21 Dec 2023	11:00 AM	SSW	1.9
21 Dec 2023	12:00 PM	S	1.6
21 Dec 2023	1:00 PM	SE	0.9
21 Dec 2023	2:00 PM	S	1.1
21 Dec 2023	3:00 PM	WSW	1.4
21 Dec 2023	4:00 PM	SW	1.4
21 Dec 2023	5:00 PM	W	1.7
21 Dec 2023	6:00 PM	W	1.5
21 Dec 2023	7:00 PM	WNW	1.3
21 Dec 2023	8:00 PM	SW	0.8
21 Dec 2023	9:00 PM	S	0.8
21 Dec 2023	10:00 PM	SSE	0.7
21 Dec 2023	11:00 PM	SSW	0.4
22 Dec 2023	12:00 AM	SSE	0.7
22 Dec 2023	1:00 AM	S	0.8
22 Dec 2023	2:00 AM	SSE	0.4
22 Dec 2023	3:00 AM	SSW	0.1
22 Dec 2023	4:00 AM	S	0.5
22 Dec 2023	5:00 AM	SSE	0.4
22 Dec 2023	6:00 AM	SSE	0.3
22 Dec 2023	7:00 AM	SSE	0.6
22 Dec 2023	8:00 AM	SSE	1.3
22 Dec 2023	9:00 AM	SW	1.0
22 Dec 2023	10:00 AM	SE	0.8
22 Dec 2023	11:00 AM	SE	0.6
22 Dec 2023	12:00 PM	S	1.2
22 Dec 2023	1:00 PM	SSW	1.3
22 Dec 2023	2:00 PM	SSW	1.5
22 Dec 2023	3:00 PM	ESE	1.0
22 Dec 2023	4:00 PM	SW	1.1
22 Dec 2023	5:00 PM	W	1.4
22 Dec 2023	6:00 PM	SSE	0.8
22 Dec 2023	7:00 PM	SSE	0.8
22 Dec 2023	8:00 PM	SSE	0.6
22 Dec 2023	9:00 PM	SSE	0.6
22 Dec 2023	10:00 PM	SSE	0.4
22 Dec 2023	11:00 PM	SSE	0.5
23 Dec 2023	12:00 AM	SSE	0.3
23 Dec 2023	1:00 AM	S	0.1
23 Dec 2023	2:00 AM	S	0.2
23 Dec 2023	3:00 AM	S	0.6
23 Dec 2023	4:00 AM	S	0.3
23 Dec 2023	5:00 AM	SSE	0.5

December 2023			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
23 Dec 2023	6:00 AM	SSE	0.6
23 Dec 2023	7:00 AM	SE	0.4
23 Dec 2023	8:00 AM	S	0.9
23 Dec 2023	9:00 AM	S	0.9
23 Dec 2023	10:00 AM	SSW	0.6
23 Dec 2023	11:00 AM	SW	1.4
23 Dec 2023	12:00 PM	SW	1.2
23 Dec 2023	1:00 PM	S	1.5
23 Dec 2023	2:00 PM	SW	1.2
23 Dec 2023	3:00 PM	SSE	1.3
23 Dec 2023	4:00 PM	S	1.1
23 Dec 2023	5:00 PM	SSE	0.8
23 Dec 2023	6:00 PM	S	0.5
23 Dec 2023	7:00 PM	S	0.5
23 Dec 2023	8:00 PM	SSE	0.5
23 Dec 2023	9:00 PM	SSE	0.6
23 Dec 2023	10:00 PM	WSW	1.0
23 Dec 2023	11:00 PM	W	1.0
24 Dec 2023	12:00 AM	SSW	0.7
24 Dec 2023	1:00 AM	SSE	0.5
24 Dec 2023	2:00 AM	S	0.3
24 Dec 2023	3:00 AM	SSE	0.3
24 Dec 2023	4:00 AM	S	0.3
24 Dec 2023	5:00 AM	SSE	0.1
24 Dec 2023	6:00 AM	SSE	0.1
24 Dec 2023	7:00 AM	S	0.1
24 Dec 2023	8:00 AM	S	0.7
24 Dec 2023	9:00 AM	SSE	0.7
24 Dec 2023	10:00 AM	SW	1.1
24 Dec 2023	11:00 AM	SE	1.0
24 Dec 2023	12:00 PM	S	1.5
24 Dec 2023	1:00 PM	WSW	1.4
24 Dec 2023	2:00 PM	WSW	1.9
24 Dec 2023	3:00 PM	WSW	1.7
24 Dec 2023	4:00 PM	SSW	1.2
24 Dec 2023	5:00 PM	SSW	1.1
24 Dec 2023	6:00 PM	SSW	1.3
24 Dec 2023	7:00 PM	SW	1.0
24 Dec 2023	8:00 PM	SE	0.4
24 Dec 2023	9:00 PM	SSE	0.2
24 Dec 2023	10:00 PM	SW	0.2
24 Dec 2023	11:00 PM	S	0.1
25 Dec 2023	12:00 AM	SSE	0.1
25 Dec 2023	1:00 AM	SSE	0.4
25 Dec 2023	2:00 AM	SSE	0.5
25 Dec 2023	3:00 AM	SSE	0.2
25 Dec 2023	4:00 AM	S	0.1
25 Dec 2023	5:00 AM	SSE	0.1
25 Dec 2023	6:00 AM	S	0.4
25 Dec 2023	7:00 AM	S	0.3
25 Dec 2023	8:00 AM	S	0.8
25 Dec 2023	9:00 AM	SSW	0.7
25 Dec 2023	10:00 AM	SSW	0.8
25 Dec 2023	11:00 AM	SSE	0.8

December 2023			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
25 Dec 2023	12:00 PM	S	1.7
25 Dec 2023	1:00 PM	SSE	0.9
25 Dec 2023	2:00 PM	SSE	1.2
25 Dec 2023	3:00 PM	SSW	1.2
25 Dec 2023	4:00 PM	SSW	0.9
25 Dec 2023	5:00 PM	SW	0.9
25 Dec 2023	6:00 PM	S	0.8
25 Dec 2023	7:00 PM	SSE	0.5
25 Dec 2023	8:00 PM	SSE	0.1
25 Dec 2023	9:00 PM	SSE	0.3
25 Dec 2023	10:00 PM	SSE	0.2
25 Dec 2023	11:00 PM	SSE	0.1
26 Dec 2023	12:00 AM	S	0.4
26 Dec 2023	1:00 AM	S	0.6
26 Dec 2023	2:00 AM	SSE	0.4
26 Dec 2023	3:00 AM	S	0.3
26 Dec 2023	4:00 AM	SSE	0.1
26 Dec 2023	5:00 AM	S	0.1
26 Dec 2023	6:00 AM	SSE	0.2
26 Dec 2023	7:00 AM	SSW	0.4
26 Dec 2023	8:00 AM	S	0.9
26 Dec 2023	9:00 AM	S	2.2
26 Dec 2023	10:00 AM	S	2.5
26 Dec 2023	11:00 AM	S	3.2
26 Dec 2023	12:00 PM	S	2.7
26 Dec 2023	1:00 PM	S	2.8
26 Dec 2023	2:00 PM	S	3.2
26 Dec 2023	3:00 PM	S	3.2
26 Dec 2023	4:00 PM	S	2.9
26 Dec 2023	5:00 PM	S	2.4
26 Dec 2023	6:00 PM	SSE	1.9
26 Dec 2023	7:00 PM	S	0.9
26 Dec 2023	8:00 PM	SSE	1.3
26 Dec 2023	9:00 PM	SE	0.9
26 Dec 2023	10:00 PM	SSE	0.7
26 Dec 2023	11:00 PM	SSE	0.6
27 Dec 2023	12:00 AM	S	0.8
27 Dec 2023	1:00 AM	S	0.8
27 Dec 2023	2:00 AM	SSE	1.0
27 Dec 2023	3:00 AM	SSE	1.0
27 Dec 2023	4:00 AM	SSE	0.9
27 Dec 2023	5:00 AM	S	0.6
27 Dec 2023	6:00 AM	SSE	1.0
27 Dec 2023	7:00 AM	SSE	1.1
27 Dec 2023	8:00 AM	SSE	1.3
27 Dec 2023	9:00 AM	S	1.9
27 Dec 2023	10:00 AM	SSW	1.8
27 Dec 2023	11:00 AM	SSW	1.5
27 Dec 2023	12:00 PM	SSW	1.7
27 Dec 2023	1:00 PM	SW	1.5
27 Dec 2023	2:00 PM	SSW	1.3
27 Dec 2023	3:00 PM	SW	1.2
27 Dec 2023	4:00 PM	SW	1.2
27 Dec 2023	5:00 PM	S	1.3

December 2023			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
27 Dec 2023	6:00 PM	S	0.6
27 Dec 2023	7:00 PM	SW	1.1
27 Dec 2023	8:00 PM	WSW	2.0
27 Dec 2023	9:00 PM	WSW	1.5
27 Dec 2023	10:00 PM	SSW	0.9
27 Dec 2023	11:00 PM	SW	0.9
28 Dec 2023	12:00 AM	SSW	0.7
28 Dec 2023	1:00 AM	W	1.6
28 Dec 2023	2:00 AM	WSW	0.8
28 Dec 2023	3:00 AM	SSW	0.9
28 Dec 2023	4:00 AM	SSW	0.6
28 Dec 2023	5:00 AM	S	1.0
28 Dec 2023	6:00 AM	SSW	0.8
28 Dec 2023	7:00 AM	SW	1.4
28 Dec 2023	8:00 AM	SSW	1.7
28 Dec 2023	9:00 AM	SW	1.9
28 Dec 2023	10:00 AM	SSW	1.5
28 Dec 2023	11:00 AM	SSW	1.5
28 Dec 2023	12:00 PM	SW	1.5
28 Dec 2023	1:00 PM	S	1.2
28 Dec 2023	2:00 PM	SSW	1.8
28 Dec 2023	3:00 PM	W	1.6
28 Dec 2023	4:00 PM	WSW	1.4
28 Dec 2023	5:00 PM	SSW	1.1
28 Dec 2023	6:00 PM	SSW	0.7
28 Dec 2023	7:00 PM	S	0.9
28 Dec 2023	8:00 PM	WSW	1.1
28 Dec 2023	9:00 PM	S	0.6
28 Dec 2023	10:00 PM	WSW	0.9
28 Dec 2023	11:00 PM	SW	0.8
29 Dec 2023	12:00 AM	N	0.8
29 Dec 2023	1:00 AM	S	1.0
29 Dec 2023	2:00 AM	SSW	1.0
29 Dec 2023	3:00 AM	S	1.1
29 Dec 2023	4:00 AM	SSW	0.7
29 Dec 2023	5:00 AM	SSW	1.2
29 Dec 2023	6:00 AM	SW	0.9
29 Dec 2023	7:00 AM	SSW	1.5
29 Dec 2023	8:00 AM	SW	1.1
29 Dec 2023	9:00 AM	SSW	1.3
29 Dec 2023	10:00 AM	SW	1.7
29 Dec 2023	11:00 AM	SW	1.5
29 Dec 2023	12:00 PM	W	1.6
29 Dec 2023	1:00 PM	SSW	1.9
29 Dec 2023	2:00 PM	SW	1.4
29 Dec 2023	3:00 PM	SSW	1.4
29 Dec 2023	4:00 PM	S	1.1
29 Dec 2023	5:00 PM	S	0.9
29 Dec 2023	6:00 PM	S	1.1
29 Dec 2023	7:00 PM	S	0.6
29 Dec 2023	8:00 PM	S	0.2
29 Dec 2023	9:00 PM	SSE	0.3
29 Dec 2023	10:00 PM	SSE	0.2
29 Dec 2023	11:00 PM	S	0.5

December 2023			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
30 Dec 2023	12:00 AM	SSW	0.6
30 Dec 2023	1:00 AM	S	0.6
30 Dec 2023	2:00 AM	SSE	0.2
30 Dec 2023	3:00 AM	SSW	0.3
30 Dec 2023	4:00 AM	SE	0.4
30 Dec 2023	5:00 AM	S	0.8
30 Dec 2023	6:00 AM	S	0.4
30 Dec 2023	7:00 AM	SSE	0.8
30 Dec 2023	8:00 AM	SSE	1.1
30 Dec 2023	9:00 AM	SW	0.9
30 Dec 2023	10:00 AM	SW	1.7
30 Dec 2023	11:00 AM	S	1.1
30 Dec 2023	12:00 PM	SSW	1.7
30 Dec 2023	1:00 PM	S	1.8
30 Dec 2023	2:00 PM	S	1.0
30 Dec 2023	3:00 PM	WNW	1.8
30 Dec 2023	4:00 PM	W	1.6
30 Dec 2023	5:00 PM	WNW	1.8
30 Dec 2023	6:00 PM	WNW	1.3
30 Dec 2023	7:00 PM	W	1.4
30 Dec 2023	8:00 PM	WSW	1.1
30 Dec 2023	9:00 PM	S	0.6
30 Dec 2023	10:00 PM	SSE	0.6
30 Dec 2023	11:00 PM	S	0.4
31 Dec 2023	12:00 AM	SW	0.6
31 Dec 2023	1:00 AM	SW	0.6
31 Dec 2023	2:00 AM	SE	0.6
31 Dec 2023	3:00 AM	SSE	0.7
31 Dec 2023	4:00 AM	SSE	0.7
31 Dec 2023	5:00 AM	SSE	0.9
31 Dec 2023	6:00 AM	S	1.0
31 Dec 2023	7:00 AM	SSE	1.3
31 Dec 2023	8:00 AM	S	1.2
31 Dec 2023	9:00 AM	SSW	1.1
31 Dec 2023	10:00 AM	S	1.4
31 Dec 2023	11:00 AM	S	1.4
31 Dec 2023	12:00 PM	SW	1.7
31 Dec 2023	1:00 PM	SSW	1.6
31 Dec 2023	2:00 PM	SSW	1.6
31 Dec 2023	3:00 PM	SSW	1.6
31 Dec 2023	4:00 PM	SW	2.1
31 Dec 2023	5:00 PM	SW	2.0
31 Dec 2023	6:00 PM	SW	1.4
31 Dec 2023	7:00 PM	S	1.5
31 Dec 2023	8:00 PM	SSE	0.9
31 Dec 2023	9:00 PM	SSE	1.1
31 Dec 2023	10:00 PM	SSE	0.6
31 Dec 2023	11:00 PM	S	0.5

January 2024				
Table I				
Day	Mean Pressure (hPa)	Air Temperature Mean(°C)	Mean Relative Humidity (%)	Total Rainfall (mm)
01-Jan-24	1022.0	21.3	61.0	0.1
02-Jan-24	1022.2	19.7	59.0	0.0
03-Jan-24	1020.6	21.9	63.0	0.0
04-Jan-24	1017.6	22.0	67.0	0.0
05-Jan-24	1016.0	21.6	66.0	0.0
06-Jan-24	1018.3	21.3	63.0	Trace
07-Jan-24	1018.4	20.8	39.0	0.0
08-Jan-24	1016.7	22.0	57.0	0.0
09-Jan-24	1014.5	24.2	73.0	0.0
10-Jan-24	1013.7	25.2	71.0	0.0
11-Jan-24	1014.8	24.9	78.0	Trace
12-Jan-24	1016.6	24.9	72.0	0.0
13-Jan-24	1019.4	23.3	74.0	Trace
14-Jan-24	1018.7	24.3	72.0	Trace
15-Jan-24	1016.2	25.9	70.0	0.0
16-Jan-24	1021.8	17.9	65.0	0.2
17-Jan-24	1025.9	12.3	61.0	0.0
18-Jan-24	1022.7	16.0	69.0	0.0
19-Jan-24	1022.7	14.4	75.0	Trace
20-Jan-24	1024.7	12.8	58.0	0.0
21-Jan-24	1028.3	10.4	56.0	0.0
22-Jan-24	1031.0	10.2	35.0	0.0
23-Jan-24	1030.8	10.8	43.0	Trace
24-Jan-24	1029.5	13.0	37.0	0.0
25-Jan-24	1027.2	14.5	36.0	0.0
26-Jan-24	1025.5	16.6	49.0	0.0
27-Jan-24	1024.2	18.9	54.0	Trace
28-Jan-24	1022.5	20.6	60.0	Trace
29-Jan-24	1021.1	20.4	69.0	0.0
30-Jan-24	1018.7	20.8	68.0	0.0
31-Jan-24	1018.3	21.6	72.0	0.0

(Reporting Month: January 2024)

Remarks:

* Meterological data from Hong Kong Observatory Manned Weather Station was adopted.

Source - Hong Kong Observatory

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
1 Jan 2024	12:00 AM	ESE	0.4
1 Jan 2024	1:00 AM	ESE	0.2
1 Jan 2024	2:00 AM	SE	0.2
1 Jan 2024	3:00 AM	SE	0.4
1 Jan 2024	4:00 AM	SE	0.0
1 Jan 2024	5:00 AM	ESE	0.0
1 Jan 2024	6:00 AM	SE	0.2
1 Jan 2024	7:00 AM	SSE	0.8
1 Jan 2024	8:00 AM	SSW	1.0
1 Jan 2024	9:00 AM	SSW	0.7
1 Jan 2024	10:00 AM	SW	0.9
1 Jan 2024	11:00 AM	S	0.9
1 Jan 2024	12:00 PM	SSW	1.1
1 Jan 2024	1:00 PM	SE	1.2
1 Jan 2024	2:00 PM	SE	1.2
1 Jan 2024	3:00 PM	SSE	1.7
1 Jan 2024	4:00 PM	SE	1.2
1 Jan 2024	5:00 PM	S	0.8
1 Jan 2024	6:00 PM	SE	0.6
1 Jan 2024	7:00 PM	W	1.0
1 Jan 2024	8:00 PM	SW	1.1
1 Jan 2024	9:00 PM	WSW	1.9
1 Jan 2024	10:00 PM	WSW	0.7
1 Jan 2024	11:00 PM	SSW	0.9
2 Jan 2024	12:00 AM	SW	0.8
2 Jan 2024	1:00 AM	SSW	0.8
2 Jan 2024	2:00 AM	S	0.5
2 Jan 2024	3:00 AM	SSW	0.8
2 Jan 2024	4:00 AM	SSW	0.6
2 Jan 2024	5:00 AM	WSW	1.1
2 Jan 2024	6:00 AM	WSW	0.9
2 Jan 2024	7:00 AM	WNW	2.0
2 Jan 2024	8:00 AM	WSW	1.9
2 Jan 2024	9:00 AM	SW	1.5
2 Jan 2024	10:00 AM	SSW	1.3
2 Jan 2024	11:00 AM	W	2.0
2 Jan 2024	12:00 PM	SW	1.0
2 Jan 2024	1:00 PM	S	1.4
2 Jan 2024	2:00 PM	S	1.3
2 Jan 2024	3:00 PM	S	1.3
2 Jan 2024	4:00 PM	SSE	0.8
2 Jan 2024	5:00 PM	SE	0.8
2 Jan 2024	6:00 PM	S	0.5
2 Jan 2024	7:00 PM	SE	0.3
2 Jan 2024	8:00 PM	S	0.3
2 Jan 2024	9:00 PM	S	0.4
2 Jan 2024	10:00 PM	SSE	0.4
2 Jan 2024	11:00 PM	SSE	0.2
3 Jan 2024	12:00 AM	S	0.5
3 Jan 2024	1:00 AM	SSE	0.3
3 Jan 2024	2:00 AM	S	0.2
3 Jan 2024	3:00 AM	SSE	0.2
3 Jan 2024	4:00 AM	S	0.4
3 Jan 2024	5:00 AM	SSE	0.9

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
3 Jan 2024	6:00 AM	SSE	1.7
3 Jan 2024	7:00 AM	SSE	2.1
3 Jan 2024	8:00 AM	S	2.6
3 Jan 2024	9:00 AM	S	2.2
3 Jan 2024	10:00 AM	SSE	2.9
3 Jan 2024	11:00 AM	S	3.3
3 Jan 2024	12:00 PM	S	3.3
3 Jan 2024	1:00 PM	SE	3.3
3 Jan 2024	2:00 PM	S	3.3
3 Jan 2024	3:00 PM	SSE	2.7
3 Jan 2024	4:00 PM	S	3.3
3 Jan 2024	5:00 PM	SSE	3.5
3 Jan 2024	6:00 PM	SSE	2.5
3 Jan 2024	7:00 PM	S	2.5
3 Jan 2024	8:00 PM	SSW	1.7
3 Jan 2024	9:00 PM	S	2.2
3 Jan 2024	10:00 PM	SSW	2.0
3 Jan 2024	11:00 PM	S	2.7
4 Jan 2024	12:00 AM	S	1.4
4 Jan 2024	1:00 AM	S	1.9
4 Jan 2024	2:00 AM	SSE	1.4
4 Jan 2024	3:00 AM	S	1.5
4 Jan 2024	4:00 AM	S	1.2
4 Jan 2024	5:00 AM	S	1.1
4 Jan 2024	6:00 AM	S	1.3
4 Jan 2024	7:00 AM	SSW	1.5
4 Jan 2024	8:00 AM	SSW	1.2
4 Jan 2024	9:00 AM	SSW	1.6
4 Jan 2024	10:00 AM	S	1.4
4 Jan 2024	11:00 AM	SSW	1.6
4 Jan 2024	12:00 PM	SSE	1.3
4 Jan 2024	1:00 PM	SSW	1.0
4 Jan 2024	2:00 PM	SE	0.9
4 Jan 2024	3:00 PM	SSE	0.9
4 Jan 2024	4:00 PM	SSE	0.7
4 Jan 2024	5:00 PM	SE	0.3
4 Jan 2024	6:00 PM	S	0.3
4 Jan 2024	7:00 PM	S	0.5
4 Jan 2024	8:00 PM	SSE	0.2
4 Jan 2024	9:00 PM	SSE	0.0
4 Jan 2024	10:00 PM	SE	0.0
4 Jan 2024	11:00 PM	ESE	0.3
5 Jan 2024	12:00 AM	SSE	0.3
5 Jan 2024	1:00 AM	SSE	0.4
5 Jan 2024	2:00 AM	S	0.0
5 Jan 2024	3:00 AM	SSE	0.2
5 Jan 2024	4:00 AM	SSW	0.4
5 Jan 2024	5:00 AM	SSE	0.3
5 Jan 2024	6:00 AM	SSW	0.6
5 Jan 2024	7:00 AM	SE	0.4
5 Jan 2024	8:00 AM	S	0.3
5 Jan 2024	9:00 AM	SW	1.6
5 Jan 2024	10:00 AM	SSW	0.8
5 Jan 2024	11:00 AM	S	0.7

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
5 Jan 2024	12:00 PM	SSE	0.6
5 Jan 2024	1:00 PM	SSE	1.3
5 Jan 2024	2:00 PM	SSE	0.9
5 Jan 2024	3:00 PM	S	0.5
5 Jan 2024	4:00 PM	S	0.7
5 Jan 2024	5:00 PM	SSE	0.8
5 Jan 2024	6:00 PM	SSE	0.4
5 Jan 2024	7:00 PM	SSE	0.1
5 Jan 2024	8:00 PM	S	0.1
5 Jan 2024	9:00 PM	SSE	0.0
5 Jan 2024	10:00 PM	SSW	0.0
5 Jan 2024	11:00 PM	SSE	0.1
6 Jan 2024	12:00 AM	S	0.2
6 Jan 2024	1:00 AM	SSE	0.2
6 Jan 2024	2:00 AM	SSW	0.1
6 Jan 2024	3:00 AM	SSW	0.1
6 Jan 2024	4:00 AM	SSE	0.0
6 Jan 2024	5:00 AM	S	0.2
6 Jan 2024	6:00 AM	S	0.0
6 Jan 2024	7:00 AM	SSE	0.0
6 Jan 2024	8:00 AM	SSW	0.6
6 Jan 2024	9:00 AM	SSW	0.5
6 Jan 2024	10:00 AM	S	1.2
6 Jan 2024	11:00 AM	SSW	1.3
6 Jan 2024	12:00 PM	S	0.9
6 Jan 2024	1:00 PM	SE	0.8
6 Jan 2024	2:00 PM	SE	0.9
6 Jan 2024	3:00 PM	SSE	0.8
6 Jan 2024	4:00 PM	SSW	0.8
6 Jan 2024	5:00 PM	SE	0.7
6 Jan 2024	6:00 PM	ESE	0.4
6 Jan 2024	7:00 PM	SSE	0.0
6 Jan 2024	8:00 PM	SE	0.0
6 Jan 2024	9:00 PM	S	0.0
6 Jan 2024	10:00 PM	S	0.0
6 Jan 2024	11:00 PM	S	0.0
7 Jan 2024	12:00 AM	S	0.1
7 Jan 2024	1:00 AM	SSE	0.0
7 Jan 2024	2:00 AM	SSE	0.3
7 Jan 2024	3:00 AM	ESE	0.2
7 Jan 2024	4:00 AM	S	0.0
7 Jan 2024	5:00 AM	SSE	0.2
7 Jan 2024	6:00 AM	SSE	0.4
7 Jan 2024	7:00 AM	SSE	0.3
7 Jan 2024	8:00 AM	SSW	0.4
7 Jan 2024	9:00 AM	SW	1.1
7 Jan 2024	10:00 AM	SSW	1.7
7 Jan 2024	11:00 AM	SSW	1.9
7 Jan 2024	12:00 PM	SW	1.2
7 Jan 2024	1:00 PM	WNW	3.0
7 Jan 2024	2:00 PM	WNW	2.8
7 Jan 2024	3:00 PM	WSW	2.6
7 Jan 2024	4:00 PM	WNW	2.3
7 Jan 2024	5:00 PM	SW	0.9

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
7 Jan 2024	6:00 PM	W	1.4
7 Jan 2024	7:00 PM	WSW	2.4
7 Jan 2024	8:00 PM	WSW	1.5
7 Jan 2024	9:00 PM	WSW	1.0
7 Jan 2024	10:00 PM	SSW	1.0
7 Jan 2024	11:00 PM	SSW	0.6
8 Jan 2024	12:00 AM	S	0.6
8 Jan 2024	1:00 AM	S	0.7
8 Jan 2024	2:00 AM	S	0.3
8 Jan 2024	3:00 AM	SSE	0.3
8 Jan 2024	4:00 AM	SE	0.2
8 Jan 2024	5:00 AM	SW	0.4
8 Jan 2024	6:00 AM	SE	0.2
8 Jan 2024	7:00 AM	SSE	0.1
8 Jan 2024	8:00 AM	S	0.1
8 Jan 2024	9:00 AM	S	0.6
8 Jan 2024	10:00 AM	SSE	0.4
8 Jan 2024	11:00 AM	SE	1.4
8 Jan 2024	12:00 PM	ESE	0.9
8 Jan 2024	1:00 PM	SE	0.9
8 Jan 2024	2:00 PM	E	1.2
8 Jan 2024	3:00 PM	ESE	1.7
8 Jan 2024	4:00 PM	SE	1.1
8 Jan 2024	5:00 PM	ESE	0.8
8 Jan 2024	6:00 PM	SSW	0.8
8 Jan 2024	7:00 PM	SSE	0.5
8 Jan 2024	8:00 PM	W	1.1
8 Jan 2024	9:00 PM	SSE	0.5
8 Jan 2024	10:00 PM	SSW	0.7
8 Jan 2024	11:00 PM	SE	0.2
9 Jan 2024	12:00 AM	S	0.1
9 Jan 2024	1:00 AM	SE	0.3
9 Jan 2024	2:00 AM	S	0.2
9 Jan 2024	3:00 AM	SW	0.5
9 Jan 2024	4:00 AM	SSE	0.3
9 Jan 2024	5:00 AM	S	0.3
9 Jan 2024	6:00 AM	S	0.3
9 Jan 2024	7:00 AM	SSE	0.6
9 Jan 2024	8:00 AM	ESE	0.3
9 Jan 2024	9:00 AM	S	1.5
9 Jan 2024	10:00 AM	SW	1.3
9 Jan 2024	11:00 AM	SSW	1.4
9 Jan 2024	12:00 PM	SSE	1.6
9 Jan 2024	1:00 PM	SSE	0.9
9 Jan 2024	2:00 PM	SSE	1.0
9 Jan 2024	3:00 PM	SSE	1.3
9 Jan 2024	4:00 PM	S	0.8
9 Jan 2024	5:00 PM	SSE	0.6
9 Jan 2024	6:00 PM	SSW	0.4
9 Jan 2024	7:00 PM	SSE	0.4
9 Jan 2024	8:00 PM	SSW	0.3
9 Jan 2024	9:00 PM	SSE	0.6
9 Jan 2024	10:00 PM	SSE	0.3
9 Jan 2024	11:00 PM	SSE	0.4

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
10 Jan 2024	12:00 AM	SSE	0.1
10 Jan 2024	1:00 AM	SSE	0.7
10 Jan 2024	2:00 AM	S	1.3
10 Jan 2024	3:00 AM	S	1.6
10 Jan 2024	4:00 AM	S	2.2
10 Jan 2024	5:00 AM	S	2.3
10 Jan 2024	6:00 AM	SSE	2.3
10 Jan 2024	7:00 AM	S	2.1
10 Jan 2024	8:00 AM	S	2.7
10 Jan 2024	9:00 AM	SSW	2.9
10 Jan 2024	10:00 AM	SSE	2.8
10 Jan 2024	11:00 AM	SSW	3.0
10 Jan 2024	12:00 PM	S	2.5
10 Jan 2024	1:00 PM	S	2.1
10 Jan 2024	2:00 PM	SSW	2.0
10 Jan 2024	3:00 PM	SSW	2.6
10 Jan 2024	4:00 PM	S	2.5
10 Jan 2024	5:00 PM	SSW	2.0
10 Jan 2024	6:00 PM	SSW	1.1
10 Jan 2024	7:00 PM	SSW	0.9
10 Jan 2024	8:00 PM	SSW	0.9
10 Jan 2024	9:00 PM	S	0.6
10 Jan 2024	10:00 PM	S	1.0
10 Jan 2024	11:00 PM	SSW	0.9
11 Jan 2024	12:00 AM	SSW	1.4
11 Jan 2024	1:00 AM	SSW	1.7
11 Jan 2024	2:00 AM	SSE	1.9
11 Jan 2024	3:00 AM	S	1.7
11 Jan 2024	4:00 AM	S	1.6
11 Jan 2024	5:00 AM	SSW	1.0
11 Jan 2024	6:00 AM	SW	1.0
11 Jan 2024	7:00 AM	SSW	0.7
11 Jan 2024	8:00 AM	SW	1.3
11 Jan 2024	9:00 AM	S	1.2
11 Jan 2024	10:00 AM	S	1.0
11 Jan 2024	11:00 AM	S	1.3
11 Jan 2024	12:00 PM	SW	1.1
11 Jan 2024	1:00 PM	S	0.8
11 Jan 2024	2:00 PM	SSW	1.0
11 Jan 2024	3:00 PM	S	0.9
11 Jan 2024	4:00 PM	S	0.9
11 Jan 2024	5:00 PM	SSE	0.5
11 Jan 2024	6:00 PM	S	0.6
11 Jan 2024	7:00 PM	SSE	0.4
11 Jan 2024	8:00 PM	SSE	0.5
11 Jan 2024	9:00 PM	S	0.8
11 Jan 2024	10:00 PM	SSE	0.3
11 Jan 2024	11:00 PM	SSE	0.3
12 Jan 2024	12:00 AM	SSE	0.3
12 Jan 2024	1:00 AM	SSE	0.4
12 Jan 2024	2:00 AM	SSE	0.2
12 Jan 2024	3:00 AM	SSE	0.2
12 Jan 2024	4:00 AM	SSE	0.3
12 Jan 2024	5:00 AM	SSE	0.1

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
12 Jan 2024	6:00 AM	SSE	0.4
12 Jan 2024	7:00 AM	SSE	0.3
12 Jan 2024	8:00 AM	S	0.6
12 Jan 2024	9:00 AM	SSW	1.0
12 Jan 2024	10:00 AM	S	1.1
12 Jan 2024	11:00 AM	SSE	1.5
12 Jan 2024	12:00 PM	SSE	1.2
12 Jan 2024	1:00 PM	SSE	0.9
12 Jan 2024	2:00 PM	S	0.8
12 Jan 2024	3:00 PM	WSW	1.8
12 Jan 2024	4:00 PM	SW	1.0
12 Jan 2024	5:00 PM	SSE	0.8
12 Jan 2024	6:00 PM	SE	0.7
12 Jan 2024	7:00 PM	S	0.5
12 Jan 2024	8:00 PM	SSW	0.3
12 Jan 2024	9:00 PM	S	0.2
12 Jan 2024	10:00 PM	SSE	0.3
12 Jan 2024	11:00 PM	SSE	0.3
13 Jan 2024	12:00 AM	SSE	0.3
13 Jan 2024	1:00 AM	S	0.4
13 Jan 2024	2:00 AM	SSE	0.2
13 Jan 2024	3:00 AM	S	0.2
13 Jan 2024	4:00 AM	S	0.0
13 Jan 2024	5:00 AM	SSE	0.1
13 Jan 2024	6:00 AM	SSE	0.3
13 Jan 2024	7:00 AM	SSE	0.5
13 Jan 2024	8:00 AM	SSE	0.7
13 Jan 2024	9:00 AM	S	0.9
13 Jan 2024	10:00 AM	SSW	1.0
13 Jan 2024	11:00 AM	SSW	1.2
13 Jan 2024	12:00 PM	SSW	1.1
13 Jan 2024	1:00 PM	SSE	0.9
13 Jan 2024	2:00 PM	ESE	0.5
13 Jan 2024	3:00 PM	S	1.2
13 Jan 2024	4:00 PM	S	1.6
13 Jan 2024	5:00 PM	SSW	0.8
13 Jan 2024	6:00 PM	S	0.1
13 Jan 2024	7:00 PM	SE	0.0
13 Jan 2024	8:00 PM	E	0.0
13 Jan 2024	9:00 PM	SE	0.1
13 Jan 2024	10:00 PM	SSE	0.0
13 Jan 2024	11:00 PM	SE	0.0
14 Jan 2024	12:00 AM	SSE	0.0
14 Jan 2024	1:00 AM	S	0.0
14 Jan 2024	2:00 AM	SE	0.0
14 Jan 2024	3:00 AM	S	0.4
14 Jan 2024	4:00 AM	SSE	0.6
14 Jan 2024	5:00 AM	SE	0.2
14 Jan 2024	6:00 AM	S	0.0
14 Jan 2024	7:00 AM	SSW	0.1
14 Jan 2024	8:00 AM	S	0.2
14 Jan 2024	9:00 AM	SSW	0.5
14 Jan 2024	10:00 AM	ESE	0.1
14 Jan 2024	11:00 AM	S	0.6

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
14 Jan 2024	12:00 PM	SSW	0.8
14 Jan 2024	1:00 PM	ESE	0.7
14 Jan 2024	2:00 PM	SSE	1.1
14 Jan 2024	3:00 PM	SSE	1.4
14 Jan 2024	4:00 PM	S	0.7
14 Jan 2024	5:00 PM	SE	0.6
14 Jan 2024	6:00 PM	SSW	0.5
14 Jan 2024	7:00 PM	SSE	0.1
14 Jan 2024	8:00 PM	SE	0.0
14 Jan 2024	9:00 PM	S	0.2
14 Jan 2024	10:00 PM	S	0.1
14 Jan 2024	11:00 PM	SSE	0.3
15 Jan 2024	12:00 AM	SSE	0.0
15 Jan 2024	1:00 AM	SSE	0.0
15 Jan 2024	2:00 AM	SSE	0.2
15 Jan 2024	3:00 AM	S	0.1
15 Jan 2024	4:00 AM	S	0.2
15 Jan 2024	5:00 AM	SSE	0.0
15 Jan 2024	6:00 AM	S	0.0
15 Jan 2024	7:00 AM	SSW	0.0
15 Jan 2024	8:00 AM	SSW	0.2
15 Jan 2024	9:00 AM	SSW	0.6
15 Jan 2024	10:00 AM	SSE	1.0
15 Jan 2024	11:00 AM	SSW	1.5
15 Jan 2024	12:00 PM	WSW	1.9
15 Jan 2024	1:00 PM	SW	1.7
15 Jan 2024	2:00 PM	SW	1.4
15 Jan 2024	3:00 PM	S	1.8
15 Jan 2024	4:00 PM	SW	1.9
15 Jan 2024	5:00 PM	NW	3.0
15 Jan 2024	6:00 PM	S	0.9
15 Jan 2024	7:00 PM	SW	1.0
15 Jan 2024	8:00 PM	S	1.0
15 Jan 2024	9:00 PM	SW	1.2
15 Jan 2024	10:00 PM	SW	1.4
15 Jan 2024	11:00 PM	SSW	1.3
16 Jan 2024	12:00 AM	SSW	0.7
16 Jan 2024	1:00 AM	SW	0.7
16 Jan 2024	2:00 AM	SE	0.4
16 Jan 2024	3:00 AM	SSW	0.8
16 Jan 2024	4:00 AM	SSW	1.3
16 Jan 2024	5:00 AM	SSW	2.1
16 Jan 2024	6:00 AM	SW	1.6
16 Jan 2024	7:00 AM	S	0.7
16 Jan 2024	8:00 AM	S	0.8
16 Jan 2024	9:00 AM	SW	1.1
16 Jan 2024	10:00 AM	S	0.9
16 Jan 2024	11:00 AM	SSE	1.2
16 Jan 2024	12:00 PM	ESE	1.6
16 Jan 2024	1:00 PM	SE	1.7
16 Jan 2024	2:00 PM	SSE	1.4
16 Jan 2024	3:00 PM	SE	1.6
16 Jan 2024	4:00 PM	SE	1.4
16 Jan 2024	5:00 PM	SW	0.9

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
16 Jan 2024	6:00 PM	W	1.6
16 Jan 2024	7:00 PM	NW	1.7
16 Jan 2024	8:00 PM	W	2.0
16 Jan 2024	9:00 PM	SSW	0.7
16 Jan 2024	10:00 PM	SE	0.3
16 Jan 2024	11:00 PM	S	0.7
17 Jan 2024	12:00 AM	SSE	0.5
17 Jan 2024	1:00 AM	S	0.6
17 Jan 2024	2:00 AM	SSE	0.3
17 Jan 2024	3:00 AM	SSE	0.6
17 Jan 2024	4:00 AM	SSE	0.3
17 Jan 2024	5:00 AM	S	0.5
17 Jan 2024	6:00 AM	SSE	0.4
17 Jan 2024	7:00 AM	SSE	0.4
17 Jan 2024	8:00 AM	S	0.7
17 Jan 2024	9:00 AM	SSW	0.7
17 Jan 2024	10:00 AM	S	1.6
17 Jan 2024	11:00 AM	SSW	1.7
17 Jan 2024	12:00 PM	SSE	0.6
17 Jan 2024	1:00 PM	S	1.5
17 Jan 2024	2:00 PM	SSE	0.9
17 Jan 2024	3:00 PM	SSE	0.9
17 Jan 2024	4:00 PM	S	0.7
17 Jan 2024	5:00 PM	S	0.8
17 Jan 2024	6:00 PM	SSE	0.5
17 Jan 2024	7:00 PM	SE	0.1
17 Jan 2024	8:00 PM	SSE	0.3
17 Jan 2024	9:00 PM	S	0.2
17 Jan 2024	10:00 PM	SSE	0.7
17 Jan 2024	11:00 PM	ESE	0.6
18 Jan 2024	12:00 AM	SE	2.5
18 Jan 2024	1:00 AM	SSE	2.7
18 Jan 2024	2:00 AM	S	2.7
18 Jan 2024	3:00 AM	S	3.0
18 Jan 2024	4:00 AM	SSE	2.8
18 Jan 2024	5:00 AM	SSE	3.3
18 Jan 2024	6:00 AM	S	3.4
18 Jan 2024	7:00 AM	S	2.8
18 Jan 2024	8:00 AM	S	2.9
18 Jan 2024	9:00 AM	SSW	4.0
18 Jan 2024	10:00 AM	S	3.1
18 Jan 2024	11:00 AM	S	3.5
18 Jan 2024	12:00 PM	S	2.9
18 Jan 2024	1:00 PM	S	3.3
18 Jan 2024	2:00 PM	S	4.5
18 Jan 2024	3:00 PM	S	4.0
18 Jan 2024	4:00 PM	SE	3.0
18 Jan 2024	5:00 PM	SE	2.0
18 Jan 2024	6:00 PM	SSE	0.7
18 Jan 2024	7:00 PM	SSE	0.7
18 Jan 2024	8:00 PM	SE	0.5
18 Jan 2024	9:00 PM	S	0.7
18 Jan 2024	10:00 PM	SSE	1.0
18 Jan 2024	11:00 PM	SSE	0.2

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
19 Jan 2024	12:00 AM	S	0.4
19 Jan 2024	1:00 AM	SE	1.0
19 Jan 2024	2:00 AM	S	0.5
19 Jan 2024	3:00 AM	SSE	0.7
19 Jan 2024	4:00 AM	SSE	0.5
19 Jan 2024	5:00 AM	S	0.7
19 Jan 2024	6:00 AM	SSE	1.1
19 Jan 2024	7:00 AM	SSE	1.7
19 Jan 2024	8:00 AM	S	2.3
19 Jan 2024	9:00 AM	S	2.9
19 Jan 2024	10:00 AM	S	2.6
19 Jan 2024	11:00 AM	SE	2.1
19 Jan 2024	12:00 PM	S	2.0
19 Jan 2024	1:00 PM	S	1.7
19 Jan 2024	2:00 PM	S	1.9
19 Jan 2024	3:00 PM	SE	1.8
19 Jan 2024	4:00 PM	SSE	1.5
19 Jan 2024	5:00 PM	SSE	0.2
19 Jan 2024	6:00 PM	SSE	0.5
19 Jan 2024	7:00 PM	SSE	0.5
19 Jan 2024	8:00 PM	SSE	0.3
19 Jan 2024	9:00 PM	SSE	0.2
19 Jan 2024	10:00 PM	SE	0.4
19 Jan 2024	11:00 PM	SSE	0.4
20 Jan 2024	12:00 AM	SSE	0.5
20 Jan 2024	1:00 AM	SSE	0.4
20 Jan 2024	2:00 AM	SSE	0.5
20 Jan 2024	3:00 AM	SSE	0.2
20 Jan 2024	4:00 AM	SSE	0.3
20 Jan 2024	5:00 AM	SSE	0.3
20 Jan 2024	6:00 AM	S	0.5
20 Jan 2024	7:00 AM	SSE	0.7
20 Jan 2024	8:00 AM	S	1.3
20 Jan 2024	9:00 AM	S	2.0
20 Jan 2024	10:00 AM	SSE	1.1
20 Jan 2024	11:00 AM	S	1.3
20 Jan 2024	12:00 PM	SW	1.1
20 Jan 2024	1:00 PM	SW	0.9
20 Jan 2024	2:00 PM	SW	1.1
20 Jan 2024	3:00 PM	SSE	1.0
20 Jan 2024	4:00 PM	S	1.0
20 Jan 2024	5:00 PM	SSE	0.4
20 Jan 2024	6:00 PM	SSE	0.1
20 Jan 2024	7:00 PM	S	0.1
20 Jan 2024	8:00 PM	SE	0.0
20 Jan 2024	9:00 PM	SE	0.1
20 Jan 2024	10:00 PM	S	0.1
20 Jan 2024	11:00 PM	SSE	0.0
21 Jan 2024	12:00 AM	S	0.1
21 Jan 2024	1:00 AM	SSE	0.0
21 Jan 2024	2:00 AM	SSE	0.1
21 Jan 2024	3:00 AM	S	0.3
21 Jan 2024	4:00 AM	SSE	0.4
21 Jan 2024	5:00 AM	S	0.1

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
21 Jan 2024	6:00 AM	S	0.2
21 Jan 2024	7:00 AM	S	0.0
21 Jan 2024	8:00 AM	S	1.4
21 Jan 2024	9:00 AM	SSE	1.7
21 Jan 2024	10:00 AM	S	1.3
21 Jan 2024	11:00 AM	S	1.7
21 Jan 2024	12:00 PM	S	1.3
21 Jan 2024	1:00 PM	S	1.3
21 Jan 2024	2:00 PM	SSW	1.2
21 Jan 2024	3:00 PM	SSE	1.1
21 Jan 2024	4:00 PM	S	0.7
21 Jan 2024	5:00 PM	S	0.7
21 Jan 2024	6:00 PM	SSW	0.5
21 Jan 2024	7:00 PM	SE	0.4
21 Jan 2024	8:00 PM	SSE	0.1
21 Jan 2024	9:00 PM	SE	0.3
21 Jan 2024	10:00 PM	SSE	0.3
21 Jan 2024	11:00 PM	SSE	0.4
22 Jan 2024	12:00 AM	S	0.3
22 Jan 2024	1:00 AM	SSE	0.3
22 Jan 2024	2:00 AM	S	0.4
22 Jan 2024	3:00 AM	S	0.2
22 Jan 2024	4:00 AM	S	0.3
22 Jan 2024	5:00 AM	S	0.6
22 Jan 2024	6:00 AM	S	0.4
22 Jan 2024	7:00 AM	SE	0.0
22 Jan 2024	8:00 AM	SSE	0.7
22 Jan 2024	9:00 AM	SSE	1.2
22 Jan 2024	10:00 AM	SSW	1.3
22 Jan 2024	11:00 AM	W	1.5
22 Jan 2024	12:00 PM	S	0.9
22 Jan 2024	1:00 PM	SW	1.3
22 Jan 2024	2:00 PM	SE	1.3
22 Jan 2024	3:00 PM	SSE	0.8
22 Jan 2024	4:00 PM	SSE	0.9
22 Jan 2024	5:00 PM	SE	0.7
22 Jan 2024	6:00 PM	SSW	0.4
22 Jan 2024	7:00 PM	SSE	0.1
22 Jan 2024	8:00 PM	SSE	0.0
22 Jan 2024	9:00 PM	S	0.0
22 Jan 2024	10:00 PM	SSE	0.0
22 Jan 2024	11:00 PM	S	0.3
23 Jan 2024	12:00 AM	SSE	0.0
23 Jan 2024	1:00 AM	SSE	0.2
23 Jan 2024	2:00 AM	SE	0.2
23 Jan 2024	3:00 AM	SSE	0.0
23 Jan 2024	4:00 AM	S	0.0
23 Jan 2024	5:00 AM	SSE	0.0
23 Jan 2024	6:00 AM	SSE	0.1
23 Jan 2024	7:00 AM	SSE	0.1
23 Jan 2024	8:00 AM	SSE	0.6
23 Jan 2024	9:00 AM	S	1.4
23 Jan 2024	10:00 AM	SW	0.8
23 Jan 2024	11:00 AM	SSW	0.9

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
23 Jan 2024	12:00 PM	SSE	0.9
23 Jan 2024	1:00 PM	S	0.6
23 Jan 2024	2:00 PM	SSE	0.9
23 Jan 2024	3:00 PM	S	0.8
23 Jan 2024	4:00 PM	ESE	0.8
23 Jan 2024	5:00 PM	SSE	0.2
23 Jan 2024	6:00 PM	SE	0.7
23 Jan 2024	7:00 PM	SSE	0.0
23 Jan 2024	8:00 PM	SSE	0.1
23 Jan 2024	9:00 PM	SSE	0.1
23 Jan 2024	10:00 PM	SSE	0.2
23 Jan 2024	11:00 PM	SSE	0.0
24 Jan 2024	12:00 AM	SE	0.2
24 Jan 2024	1:00 AM	S	0.0
24 Jan 2024	2:00 AM	SE	0.2
24 Jan 2024	3:00 AM	SSE	0.1
24 Jan 2024	4:00 AM	SSE	0.5
24 Jan 2024	5:00 AM	SSE	0.4
24 Jan 2024	6:00 AM	SE	0.0
24 Jan 2024	7:00 AM	SSE	0.0
24 Jan 2024	8:00 AM	S	0.8
24 Jan 2024	9:00 AM	SSW	1.0
24 Jan 2024	10:00 AM	SSW	1.2
24 Jan 2024	11:00 AM	SSW	1.3
24 Jan 2024	12:00 PM	SW	1.2
24 Jan 2024	1:00 PM	SW	1.2
24 Jan 2024	2:00 PM	SSW	1.0
24 Jan 2024	3:00 PM	SW	0.5
24 Jan 2024	4:00 PM	SSW	0.7
24 Jan 2024	5:00 PM	SSW	0.6
24 Jan 2024	6:00 PM	SW	0.4
24 Jan 2024	7:00 PM	SSE	0.1
24 Jan 2024	8:00 PM	S	0.0
24 Jan 2024	9:00 PM	SW	0.1
24 Jan 2024	10:00 PM	SW	0.0
24 Jan 2024	11:00 PM	S	0.5
25 Jan 2024	12:00 AM	S	0.0
25 Jan 2024	1:00 AM	SW	0.3
25 Jan 2024	2:00 AM	SSW	0.1
25 Jan 2024	3:00 AM	SSW	0.2
25 Jan 2024	4:00 AM	SE	0.2
25 Jan 2024	5:00 AM	SSE	0.4
25 Jan 2024	6:00 AM	S	0.3
25 Jan 2024	7:00 AM	SSE	0.3
25 Jan 2024	8:00 AM	S	1.0
25 Jan 2024	9:00 AM	SSW	1.7
25 Jan 2024	10:00 AM	SSW	2.4
25 Jan 2024	11:00 AM	SSW	2.2
25 Jan 2024	12:00 PM	SW	2.7
25 Jan 2024	1:00 PM	SSW	3.1
25 Jan 2024	2:00 PM	SSE	2.0
25 Jan 2024	3:00 PM	SSE	1.9
25 Jan 2024	4:00 PM	SSE	1.6
25 Jan 2024	5:00 PM	SSW	1.0

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
25 Jan 2024	6:00 PM	SW	0.6
25 Jan 2024	7:00 PM	SSW	0.6
25 Jan 2024	8:00 PM	SW	0.6
25 Jan 2024	9:00 PM	S	0.6
25 Jan 2024	10:00 PM	S	0.8
25 Jan 2024	11:00 PM	SSE	0.6
26 Jan 2024	12:00 AM	SSE	0.6
26 Jan 2024	1:00 AM	SSW	0.9
26 Jan 2024	2:00 AM	SSE	0.9
26 Jan 2024	3:00 AM	S	1.6
26 Jan 2024	4:00 AM	SSE	0.7
26 Jan 2024	5:00 AM	SE	0.5
26 Jan 2024	6:00 AM	SSE	0.8
26 Jan 2024	7:00 AM	S	1.5
26 Jan 2024	8:00 AM	S	1.7
26 Jan 2024	9:00 AM	S	2.0
26 Jan 2024	10:00 AM	S	2.3
26 Jan 2024	11:00 AM	SSW	2.4
26 Jan 2024	12:00 PM	S	1.7
26 Jan 2024	1:00 PM	S	1.4
26 Jan 2024	2:00 PM	SSW	1.1
26 Jan 2024	3:00 PM	SSW	1.3
26 Jan 2024	4:00 PM	SSE	0.9
26 Jan 2024	5:00 PM	S	1.3
26 Jan 2024	6:00 PM	SSE	0.9
26 Jan 2024	7:00 PM	SSE	0.6
26 Jan 2024	8:00 PM	SSE	0.5
26 Jan 2024	9:00 PM	S	0.4
26 Jan 2024	10:00 PM	SSE	0.4
26 Jan 2024	11:00 PM	S	0.1
27 Jan 2024	12:00 AM	SSE	0.0
27 Jan 2024	1:00 AM	SSE	0.3
27 Jan 2024	2:00 AM	S	0.5
27 Jan 2024	3:00 AM	SSE	0.7
27 Jan 2024	4:00 AM	SSW	0.1
27 Jan 2024	5:00 AM	S	0.0
27 Jan 2024	6:00 AM	S	0.0
27 Jan 2024	7:00 AM	SSE	0.0
27 Jan 2024	8:00 AM	SSW	1.0
27 Jan 2024	9:00 AM	S	2.6
27 Jan 2024	10:00 AM	S	2.6
27 Jan 2024	11:00 AM	S	1.9
27 Jan 2024	12:00 PM	S	2.0
27 Jan 2024	1:00 PM	S	2.5
27 Jan 2024	2:00 PM	SSE	2.6
27 Jan 2024	3:00 PM	SE	1.8
27 Jan 2024	4:00 PM	S	2.0
27 Jan 2024	5:00 PM	SE	0.6
27 Jan 2024	6:00 PM	SSE	0.3
27 Jan 2024	7:00 PM	SSE	0.3
27 Jan 2024	8:00 PM	SSE	0.3
27 Jan 2024	9:00 PM	S	0.3
27 Jan 2024	10:00 PM	SSE	0.1
27 Jan 2024	11:00 PM	SSE	0.4

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
28 Jan 2024	12:00 AM	SSE	0.2
28 Jan 2024	1:00 AM	SSE	0.4
28 Jan 2024	2:00 AM	SSE	0.3
28 Jan 2024	3:00 AM	S	0.2
28 Jan 2024	4:00 AM	SSE	0.4
28 Jan 2024	5:00 AM	SSE	0.2
28 Jan 2024	6:00 AM	SSE	0.2
28 Jan 2024	7:00 AM	SSE	1.0
28 Jan 2024	8:00 AM	S	1.3
28 Jan 2024	9:00 AM	SW	1.7
28 Jan 2024	10:00 AM	S	1.8
28 Jan 2024	11:00 AM	S	1.9
28 Jan 2024	12:00 PM	SW	2.5
28 Jan 2024	1:00 PM	S	1.9
28 Jan 2024	2:00 PM	SW	1.8
28 Jan 2024	3:00 PM	SW	1.1
28 Jan 2024	4:00 PM	SW	0.5
28 Jan 2024	5:00 PM	SW	0.2
28 Jan 2024	6:00 PM	SW	0.4
28 Jan 2024	7:00 PM	SW	0.1
28 Jan 2024	8:00 PM	S	0.0
28 Jan 2024	9:00 PM	S	0.4
28 Jan 2024	10:00 PM	SSE	0.1
28 Jan 2024	11:00 PM	ESE	0.4
29 Jan 2024	12:00 AM	SSE	0.6
29 Jan 2024	1:00 AM	S	1.1
29 Jan 2024	2:00 AM	SSW	1.3
29 Jan 2024	3:00 AM	SSW	1.5
29 Jan 2024	4:00 AM	S	1.2
29 Jan 2024	5:00 AM	SSE	1.0
29 Jan 2024	6:00 AM	S	1.0
29 Jan 2024	7:00 AM	S	0.3
29 Jan 2024	8:00 AM	SSW	1.4
29 Jan 2024	9:00 AM	SSW	1.8
29 Jan 2024	10:00 AM	SSW	1.7
29 Jan 2024	11:00 AM	SSW	1.8
29 Jan 2024	12:00 PM	SW	1.9
29 Jan 2024	1:00 PM	SW	1.8
29 Jan 2024	2:00 PM	SSW	1.6
29 Jan 2024	3:00 PM	SSW	1.7
29 Jan 2024	4:00 PM	SSW	2.0
29 Jan 2024	5:00 PM	SW	1.0
29 Jan 2024	6:00 PM	SSW	0.7
29 Jan 2024	7:00 PM	SSE	0.4
29 Jan 2024	8:00 PM	S	0.3
29 Jan 2024	9:00 PM	S	0.2
29 Jan 2024	10:00 PM	SSE	0.2
29 Jan 2024	11:00 PM	S	0.1
30 Jan 2024	12:00 AM	SSE	0.5
30 Jan 2024	1:00 AM	S	0.4
30 Jan 2024	2:00 AM	S	0.9
30 Jan 2024	3:00 AM	SSE	1.1
30 Jan 2024	4:00 AM	SW	0.9
30 Jan 2024	5:00 AM	S	1.0

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
30 Jan 2024	6:00 AM	SSE	0.7
30 Jan 2024	7:00 AM	S	0.8
30 Jan 2024	8:00 AM	SSE	1.2
30 Jan 2024	9:00 AM	SSW	0.8
30 Jan 2024	10:00 AM	SSW	0.6
30 Jan 2024	11:00 AM	S	1.5
30 Jan 2024	12:00 PM	S	1.2
30 Jan 2024	1:00 PM	S	1.3
30 Jan 2024	2:00 PM	S	1.4
30 Jan 2024	3:00 PM	S	1.5
30 Jan 2024	4:00 PM	SSE	1.4
30 Jan 2024	5:00 PM	S	0.8
30 Jan 2024	6:00 PM	S	0.4
30 Jan 2024	7:00 PM	SSE	0.4
30 Jan 2024	8:00 PM	S	0.6
30 Jan 2024	9:00 PM	SSE	0.4
30 Jan 2024	10:00 PM	SSE	0.2
30 Jan 2024	11:00 PM	SE	0.2

January 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
31 Jan 2024	12:00 AM	SSE	0.3
31 Jan 2024	1:00 AM	S	0.0
31 Jan 2024	2:00 AM	SE	0.2
31 Jan 2024	3:00 AM	SW	0.3
31 Jan 2024	4:00 AM	S	0.2
31 Jan 2024	5:00 AM	SW	0.9
31 Jan 2024	6:00 AM	SW	0.0
31 Jan 2024	7:00 AM	SSE	0.5
31 Jan 2024	8:00 AM	SSW	1.3
31 Jan 2024	9:00 AM	S	2.2
31 Jan 2024	10:00 AM	SSE	1.8
31 Jan 2024	11:00 AM	SSW	1.9
31 Jan 2024	12:00 PM	S	1.5
31 Jan 2024	1:00 PM	SSW	1.5
31 Jan 2024	2:00 PM	SSW	2.0
31 Jan 2024	3:00 PM	ESE	3.0
31 Jan 2024	4:00 PM	SE	2.6
31 Jan 2024	5:00 PM	SSE	2.5
31 Jan 2024	6:00 PM	ESE	3.2
31 Jan 2024	7:00 PM	W	1.0
31 Jan 2024	8:00 PM	S	0.5
31 Jan 2024	9:00 PM	SSW	0.5
31 Jan 2024	10:00 PM	WNW	0.7
31 Jan 2024	11:00 PM	WNW	0.5

February 2024				
Table I				
Day	Mean Pressure (hPa)	Air Temperature Mean(°C)	Mean Relative Humidity (%)	Total Rainfall (mm)
01-Feb-24	1018.0	21.1	92.0	0.2
02-Feb-24	1017.6	21.7	88.0	Trace
03-Feb-24	1018.8	19.6	85.0	Trace
04-Feb-24	1017.3	19.8	92.0	Trace
05-Feb-24	1018.8	20.4	86.0	Trace
06-Feb-24	1019.6	19.1	86.0	0.6
07-Feb-24	1017.3	16.8	90.0	Trace
08-Feb-24	1018.8	13.0	84.0	2.2
09-Feb-24	1023.5	12.7	77.0	0.6
10-Feb-24	1026.5	14.4	72.0	0.5
11-Feb-24	1026.9	17.4	60.0	0.0
12-Feb-24	1025.8	18.1	55.0	0.0
13-Feb-24	1023.2	19.2	71.0	0.0
14-Feb-24	1020.2	21.0	78.0	0.0
15-Feb-24	1019.0	22.3	70.0	0.0
16-Feb-24	1019.7	20.4	77.0	Trace
17-Feb-24	1017.4	19.5	82.0	Trace
18-Feb-24	1015.2	21.6	87.0	0.0
19-Feb-24	1015.1	22.7	88.0	0.0
20-Feb-24	1014.7	23.9	87.0	0.0
21-Feb-24	1014.5	24.5	82.0	0.0
22-Feb-24	1016.6	23.6	87.0	0.0
23-Feb-24	1019.9	20.4	85.0	Trace
24-Feb-24	1021.1	18.8	73.0	Trace
25-Feb-24	1020.7	17.1	71.0	0.0
26-Feb-24	1021.1	18.2	76.0	Trace
27-Feb-24	1020.9	17.6	73.0	Trace
28-Feb-24	1018.0	18.3	85.0	Trace
29-Feb-24	1017.6	18.7	85.0	Trace

(Reporting Month: February 2024)

Remarks:

* Meterological data from Hong Kong Observatory Manned Weather Station was adopted.

Source - Hong Kong Observatory

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
1 Feb 2024	12:00 AM	W	1.3
1 Feb 2024	1:00 AM	SSE	0.7
1 Feb 2024	2:00 AM	SE	0.4
1 Feb 2024	3:00 AM	SSE	0.7
1 Feb 2024	4:00 AM	SSE	0.4
1 Feb 2024	5:00 AM	SSW	0.8
1 Feb 2024	6:00 AM	ESE	0.3
1 Feb 2024	7:00 AM	SSE	0.4
1 Feb 2024	8:00 AM	SE	0.6
1 Feb 2024	9:00 AM	SSE	0.5
1 Feb 2024	10:00 AM	SSE	0.8
1 Feb 2024	11:00 AM	ESE	1.5
1 Feb 2024	12:00 PM	ESE	1.5
1 Feb 2024	1:00 PM	E	1.6
1 Feb 2024	2:00 PM	SSE	1.7
1 Feb 2024	3:00 PM	SE	1.6
1 Feb 2024	4:00 PM	SSE	1.3
1 Feb 2024	5:00 PM	SE	0.9
1 Feb 2024	6:00 PM	SE	0.5
1 Feb 2024	7:00 PM	SSE	0.4
1 Feb 2024	8:00 PM	SSE	0.8
1 Feb 2024	9:00 PM	SE	0.8
1 Feb 2024	10:00 PM	SE	0.6
1 Feb 2024	11:00 PM	SW	0.5
2 Feb 2024	12:00 AM	SE	0.7
2 Feb 2024	1:00 AM	SSE	0.4
2 Feb 2024	2:00 AM	S	1.0
2 Feb 2024	3:00 AM	S	0.4
2 Feb 2024	4:00 AM	SSE	0.6
2 Feb 2024	5:00 AM	SSE	0.6
2 Feb 2024	6:00 AM	SSE	0.7
2 Feb 2024	7:00 AM	SSE	0.7
2 Feb 2024	8:00 AM	SSE	0.3
2 Feb 2024	9:00 AM	ESE	0.6
2 Feb 2024	10:00 AM	SE	0.8
2 Feb 2024	11:00 AM	S	1.3
2 Feb 2024	12:00 PM	SW	0.9
2 Feb 2024	1:00 PM	SW	1.2
2 Feb 2024	2:00 PM	SW	1.7
2 Feb 2024	3:00 PM	SW	1.7
2 Feb 2024	4:00 PM	W	2.6
2 Feb 2024	5:00 PM	W	2.9
2 Feb 2024	6:00 PM	W	2.3
2 Feb 2024	7:00 PM	WSW	1.3
2 Feb 2024	8:00 PM	SSW	1.2
2 Feb 2024	9:00 PM	WSW	2.2
2 Feb 2024	10:00 PM	WNW	2.4
2 Feb 2024	11:00 PM	W	2.2
3 Feb 2024	12:00 AM	WSW	1.1
3 Feb 2024	1:00 AM	SW	1.8
3 Feb 2024	2:00 AM	SW	1.7
3 Feb 2024	3:00 AM	S	1.1
3 Feb 2024	4:00 AM	S	0.7
3 Feb 2024	5:00 AM	S	0.7
3 Feb 2024	6:00 AM	SSW	1.1

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
3 Feb 2024	7:00 AM	S	0.9
3 Feb 2024	8:00 AM	S	0.4
3 Feb 2024	9:00 AM	S	1.1
3 Feb 2024	10:00 AM	SSE	1.0
3 Feb 2024	11:00 AM	SE	1.3
3 Feb 2024	12:00 PM	SSW	1.6
3 Feb 2024	1:00 PM	SSE	1.4
3 Feb 2024	2:00 PM	ESE	1.1
3 Feb 2024	3:00 PM	ESE	1.6
3 Feb 2024	4:00 PM	ESE	1.4
3 Feb 2024	5:00 PM	SSE	1.1
3 Feb 2024	6:00 PM	SSE	1.0
3 Feb 2024	7:00 PM	SSE	0.5
3 Feb 2024	8:00 PM	W	1.2
3 Feb 2024	9:00 PM	WSW	1.5
3 Feb 2024	10:00 PM	SE	0.6
3 Feb 2024	11:00 PM	SSW	0.8
4 Feb 2024	12:00 AM	WNW	1.4
4 Feb 2024	1:00 AM	SSW	0.6
4 Feb 2024	2:00 AM	S	1.1
4 Feb 2024	3:00 AM	S	1.1
4 Feb 2024	4:00 AM	SSW	1.1
4 Feb 2024	5:00 AM	SSW	0.6
4 Feb 2024	6:00 AM	SSE	0.8
4 Feb 2024	7:00 AM	S	1.6
4 Feb 2024	8:00 AM	WNW	2.0
4 Feb 2024	9:00 AM	SSW	1.0
4 Feb 2024	10:00 AM	SW	1.4
4 Feb 2024	11:00 AM	SSE	1.2
4 Feb 2024	12:00 PM	SSE	1.1
4 Feb 2024	1:00 PM	SE	1.1
4 Feb 2024	2:00 PM	SSE	0.6
4 Feb 2024	3:00 PM	SE	0.8
4 Feb 2024	4:00 PM	E	1.1
4 Feb 2024	5:00 PM	ESE	1.0
4 Feb 2024	6:00 PM	SE	0.8
4 Feb 2024	7:00 PM	SSW	0.8
4 Feb 2024	8:00 PM	SE	0.5
4 Feb 2024	9:00 PM	SSE	0.7
4 Feb 2024	10:00 PM	SE	0.8
4 Feb 2024	11:00 PM	S	1.4
5 Feb 2024	12:00 AM	S	0.8
5 Feb 2024	1:00 AM	S	1.1
5 Feb 2024	2:00 AM	S	0.7
5 Feb 2024	3:00 AM	SSE	0.6
5 Feb 2024	4:00 AM	SSE	0.6
5 Feb 2024	5:00 AM	S	0.8
5 Feb 2024	6:00 AM	S	0.7
5 Feb 2024	7:00 AM	S	1.1
5 Feb 2024	8:00 AM	SSW	1.9
5 Feb 2024	9:00 AM	S	1.3
5 Feb 2024	10:00 AM	SE	0.7
5 Feb 2024	11:00 AM	SE	1.1
5 Feb 2024	12:00 PM	SSE	1.5
5 Feb 2024	1:00 PM	S	0.6

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
5 Feb 2024	2:00 PM	SSW	0.7
5 Feb 2024	3:00 PM	W	1.1
5 Feb 2024	4:00 PM	SSW	1.2
5 Feb 2024	5:00 PM	SSE	0.7
5 Feb 2024	6:00 PM	S	0.9
5 Feb 2024	7:00 PM	SE	0.5
5 Feb 2024	8:00 PM	SSW	0.9
5 Feb 2024	9:00 PM	SSW	0.5
5 Feb 2024	10:00 PM	SSE	0.4
5 Feb 2024	11:00 PM	WNW	0.8
6 Feb 2024	12:00 AM	WSW	0.5
6 Feb 2024	1:00 AM	SSW	1.2
6 Feb 2024	2:00 AM	SW	1.1
6 Feb 2024	3:00 AM	SW	0.7
6 Feb 2024	4:00 AM	S	1.0
6 Feb 2024	5:00 AM	SSW	1.6
6 Feb 2024	6:00 AM	SW	1.4
6 Feb 2024	7:00 AM	SSE	0.7
6 Feb 2024	8:00 AM	SSE	0.6
6 Feb 2024	9:00 AM	S	0.7
6 Feb 2024	10:00 AM	WSW	1.6
6 Feb 2024	11:00 AM	S	1.2
6 Feb 2024	12:00 PM	SW	1.9
6 Feb 2024	1:00 PM	SE	1.8
6 Feb 2024	2:00 PM	SE	1.7
6 Feb 2024	3:00 PM	S	1.4
6 Feb 2024	4:00 PM	W	2.2
6 Feb 2024	5:00 PM	W	2.0
6 Feb 2024	6:00 PM	WNW	1.9
6 Feb 2024	7:00 PM	NW	2.1
6 Feb 2024	8:00 PM	W	1.2
6 Feb 2024	9:00 PM	SSW	0.9
6 Feb 2024	10:00 PM	SSW	1.2
6 Feb 2024	11:00 PM	S	0.9
7 Feb 2024	12:00 AM	SSW	1.2
7 Feb 2024	1:00 AM	SSE	1.1
7 Feb 2024	2:00 AM	S	1.5
7 Feb 2024	3:00 AM	SSW	0.9
7 Feb 2024	4:00 AM	SSW	0.9
7 Feb 2024	5:00 AM	SSE	0.6
7 Feb 2024	6:00 AM	SE	0.8
7 Feb 2024	7:00 AM	SSE	0.9
7 Feb 2024	8:00 AM	SE	0.4
7 Feb 2024	9:00 AM	S	0.5
7 Feb 2024	10:00 AM	SE	0.6
7 Feb 2024	11:00 AM	SE	0.6
7 Feb 2024	12:00 PM	SSE	0.9
7 Feb 2024	1:00 PM	S	0.9
7 Feb 2024	2:00 PM	S	1.5
7 Feb 2024	3:00 PM	S	2.1
7 Feb 2024	4:00 PM	SSE	2.3
7 Feb 2024	5:00 PM	S	2.5
7 Feb 2024	6:00 PM	S	1.8
7 Feb 2024	7:00 PM	SSE	1.9
7 Feb 2024	8:00 PM	SSE	2.3

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
7 Feb 2024	9:00 PM	S	2.1
7 Feb 2024	10:00 PM	S	2.1
7 Feb 2024	11:00 PM	S	2.2
8 Feb 2024	12:00 AM	SW	2.3
8 Feb 2024	1:00 AM	S	2.5
8 Feb 2024	2:00 AM	S	2.2
8 Feb 2024	3:00 AM	SSW	2.6
8 Feb 2024	4:00 AM	S	1.7
8 Feb 2024	5:00 AM	S	2.3
8 Feb 2024	6:00 AM	SSW	2.3
8 Feb 2024	7:00 AM	SSW	1.7
8 Feb 2024	8:00 AM	S	1.7
8 Feb 2024	9:00 AM	SSW	1.9
8 Feb 2024	10:00 AM	SSW	1.8
8 Feb 2024	11:00 AM	SSW	1.6
8 Feb 2024	12:00 PM	S	2.0
8 Feb 2024	1:00 PM	SSW	2.0
8 Feb 2024	2:00 PM	SSW	2.0
8 Feb 2024	3:00 PM	SSE	1.8
8 Feb 2024	4:00 PM	S	2.0
8 Feb 2024	5:00 PM	S	1.7
8 Feb 2024	6:00 PM	SSW	1.7
8 Feb 2024	7:00 PM	SSW	2.3
8 Feb 2024	8:00 PM	SSW	2.1
8 Feb 2024	9:00 PM	S	2.2
8 Feb 2024	10:00 PM	SSW	2.6
8 Feb 2024	11:00 PM	S	2.1
9 Feb 2024	12:00 AM	SSW	2.2
9 Feb 2024	1:00 AM	S	2.2
9 Feb 2024	2:00 AM	SSW	2.2
9 Feb 2024	3:00 AM	S	2.1
9 Feb 2024	4:00 AM	S	2.0
9 Feb 2024	5:00 AM	SSW	2.2
9 Feb 2024	6:00 AM	S	2.1
9 Feb 2024	7:00 AM	SSW	2.4
9 Feb 2024	8:00 AM	SW	2.3
9 Feb 2024	9:00 AM	SSW	2.4
9 Feb 2024	10:00 AM	SSW	2.3
9 Feb 2024	11:00 AM	SSE	2.1
9 Feb 2024	12:00 PM	S	2.3
9 Feb 2024	1:00 PM	S	2.3
9 Feb 2024	2:00 PM	S	1.7
9 Feb 2024	3:00 PM	SSE	1.8
9 Feb 2024	4:00 PM	S	2.7
9 Feb 2024	5:00 PM	S	2.8
9 Feb 2024	6:00 PM	SSE	2.4
9 Feb 2024	7:00 PM	SSE	1.5
9 Feb 2024	8:00 PM	SSE	2.1
9 Feb 2024	9:00 PM	SSE	1.6
9 Feb 2024	10:00 PM	S	2.3
9 Feb 2024	11:00 PM	SSE	2.4
10 Feb 2024	12:00 AM	S	2.0
10 Feb 2024	1:00 AM	SSE	1.5
10 Feb 2024	2:00 AM	S	1.6
10 Feb 2024	3:00 AM	SSE	2.1

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
10 Feb 2024	4:00 AM	SSE	1.9
10 Feb 2024	5:00 AM	S	1.5
10 Feb 2024	6:00 AM	S	1.7
10 Feb 2024	7:00 AM	S	2.1
10 Feb 2024	8:00 AM	S	2.3
10 Feb 2024	9:00 AM	S	2.3
10 Feb 2024	10:00 AM	SSW	1.9
10 Feb 2024	11:00 AM	S	1.8
10 Feb 2024	12:00 PM	SSW	2.1
10 Feb 2024	1:00 PM	SSW	2.0
10 Feb 2024	2:00 PM	S	1.7
10 Feb 2024	3:00 PM	S	1.2
10 Feb 2024	4:00 PM	S	1.1
10 Feb 2024	5:00 PM	ESE	0.9
10 Feb 2024	6:00 PM	SE	0.2
10 Feb 2024	7:00 PM	SE	0.3
10 Feb 2024	8:00 PM	SE	0.3
10 Feb 2024	9:00 PM	SSE	0.3
10 Feb 2024	10:00 PM	SSE	0.4
10 Feb 2024	11:00 PM	S	0.5
11 Feb 2024	12:00 AM	SSE	0.2
11 Feb 2024	1:00 AM	SSE	0.3
11 Feb 2024	2:00 AM	SSE	0.9
11 Feb 2024	3:00 AM	S	0.2
11 Feb 2024	4:00 AM	ESE	0.2
11 Feb 2024	5:00 AM	SW	0.8
11 Feb 2024	6:00 AM	SSW	0.4
11 Feb 2024	7:00 AM	E	0.2
11 Feb 2024	8:00 AM	SE	0.7
11 Feb 2024	9:00 AM	S	1.6
11 Feb 2024	10:00 AM	SSE	2.0
11 Feb 2024	11:00 AM	S	2.0
11 Feb 2024	12:00 PM	SSE	2.2
11 Feb 2024	1:00 PM	SSE	1.9
11 Feb 2024	2:00 PM	WSW	1.5
11 Feb 2024	3:00 PM	S	0.7
11 Feb 2024	4:00 PM	S	0.8
11 Feb 2024	5:00 PM	ESE	0.6
11 Feb 2024	6:00 PM	S	0.2
11 Feb 2024	7:00 PM	SE	0.2
11 Feb 2024	8:00 PM	SE	0.2
11 Feb 2024	9:00 PM	SE	0.2
11 Feb 2024	10:00 PM	SE	0.2
11 Feb 2024	11:00 PM	SSW	0.2
12 Feb 2024	12:00 AM	SE	0.2
12 Feb 2024	1:00 AM	S	0.2
12 Feb 2024	2:00 AM	SSE	0.3
12 Feb 2024	3:00 AM	S	0.2
12 Feb 2024	4:00 AM	S	0.4
12 Feb 2024	5:00 AM	S	0.4
12 Feb 2024	6:00 AM	SSW	0.2
12 Feb 2024	7:00 AM	S	0.2
12 Feb 2024	8:00 AM	SSE	0.2
12 Feb 2024	9:00 AM	SSW	1.8
12 Feb 2024	10:00 AM	S	1.9

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
12 Feb 2024	11:00 AM	W	2.4
12 Feb 2024	12:00 PM	NW	2.4
12 Feb 2024	1:00 PM	SSW	2.8
12 Feb 2024	2:00 PM	ESE	1.8
12 Feb 2024	3:00 PM	ESE	2.0
12 Feb 2024	4:00 PM	SE	1.5
12 Feb 2024	5:00 PM	SSW	1.4
12 Feb 2024	6:00 PM	S	0.8
12 Feb 2024	7:00 PM	SSW	0.5
12 Feb 2024	8:00 PM	SSW	0.7
12 Feb 2024	9:00 PM	WSW	2.0
12 Feb 2024	10:00 PM	WSW	1.7
12 Feb 2024	11:00 PM	S	0.8
13 Feb 2024	12:00 AM	SSE	0.7
13 Feb 2024	1:00 AM	SSW	0.6
13 Feb 2024	2:00 AM	S	0.7
13 Feb 2024	3:00 AM	S	0.2
13 Feb 2024	4:00 AM	S	0.2
13 Feb 2024	5:00 AM	SSE	0.2
13 Feb 2024	6:00 AM	S	0.3
13 Feb 2024	7:00 AM	SE	0.4
13 Feb 2024	8:00 AM	SSE	1.0
13 Feb 2024	9:00 AM	S	1.1
13 Feb 2024	10:00 AM	S	0.8
13 Feb 2024	11:00 AM	S	0.6
13 Feb 2024	12:00 PM	SSE	1.1
13 Feb 2024	1:00 PM	ESE	1.1
13 Feb 2024	2:00 PM	ESE	1.4
13 Feb 2024	3:00 PM	SSW	1.4
13 Feb 2024	4:00 PM	SW	1.5
13 Feb 2024	5:00 PM	WNW	2.0
13 Feb 2024	6:00 PM	ESE	0.6
13 Feb 2024	7:00 PM	SE	0.4
13 Feb 2024	8:00 PM	ESE	0.2
13 Feb 2024	9:00 PM	SW	0.2
13 Feb 2024	10:00 PM	SSE	0.3
13 Feb 2024	11:00 PM	SE	0.2
14 Feb 2024	12:00 AM	SSW	0.6
14 Feb 2024	1:00 AM	SSE	0.3
14 Feb 2024	2:00 AM	S	0.2
14 Feb 2024	3:00 AM	S	0.2
14 Feb 2024	4:00 AM	S	0.4
14 Feb 2024	5:00 AM	SSE	0.3
14 Feb 2024	6:00 AM	SSE	0.4
14 Feb 2024	7:00 AM	ESE	0.2
14 Feb 2024	8:00 AM	SSW	0.9
14 Feb 2024	9:00 AM	S	1.3
14 Feb 2024	10:00 AM	SSW	1.2
14 Feb 2024	11:00 AM	SSE	0.6
14 Feb 2024	12:00 PM	SE	0.7
14 Feb 2024	1:00 PM	SE	1.9
14 Feb 2024	2:00 PM	SE	1.1
14 Feb 2024	3:00 PM	WSW	1.4
14 Feb 2024	4:00 PM	S	1.0
14 Feb 2024	5:00 PM	SSW	0.8

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
14 Feb 2024	6:00 PM	S	0.7
14 Feb 2024	7:00 PM	SSE	0.5
14 Feb 2024	8:00 PM	SE	0.3
14 Feb 2024	9:00 PM	S	0.2
14 Feb 2024	10:00 PM	S	0.2
14 Feb 2024	11:00 PM	S	0.2
15 Feb 2024	12:00 AM	SSW	0.4
15 Feb 2024	1:00 AM	SSE	0.3
15 Feb 2024	2:00 AM	S	0.7
15 Feb 2024	3:00 AM	SSE	0.5
15 Feb 2024	4:00 AM	SSE	0.8
15 Feb 2024	5:00 AM	S	0.6
15 Feb 2024	6:00 AM	SSE	0.6
15 Feb 2024	7:00 AM	SSE	0.4
15 Feb 2024	8:00 AM	S	1.0
15 Feb 2024	9:00 AM	S	1.4
15 Feb 2024	10:00 AM	SSW	1.5
15 Feb 2024	11:00 AM	SE	0.7
15 Feb 2024	12:00 PM	SSE	0.8
15 Feb 2024	1:00 PM	SE	1.2
15 Feb 2024	2:00 PM	S	1.1
15 Feb 2024	3:00 PM	SSE	0.8
15 Feb 2024	4:00 PM	SE	1.3
15 Feb 2024	5:00 PM	SSE	0.6
15 Feb 2024	6:00 PM	SE	0.3
15 Feb 2024	7:00 PM	SSE	0.2
15 Feb 2024	8:00 PM	S	0.3
15 Feb 2024	9:00 PM	S	0.4
15 Feb 2024	10:00 PM	SSE	0.4
15 Feb 2024	11:00 PM	SSE	0.3
16 Feb 2024	12:00 AM	ESE	0.2
16 Feb 2024	1:00 AM	SSE	0.4
16 Feb 2024	2:00 AM	SSW	0.7
16 Feb 2024	3:00 AM	S	0.5
16 Feb 2024	4:00 AM	ESE	0.8
16 Feb 2024	5:00 AM	S	1.4
16 Feb 2024	6:00 AM	S	2.2
16 Feb 2024	7:00 AM	S	2.1
16 Feb 2024	8:00 AM	SSE	2.1
16 Feb 2024	9:00 AM	S	2.3
16 Feb 2024	10:00 AM	SSW	1.6
16 Feb 2024	11:00 AM	SSE	1.3
16 Feb 2024	12:00 PM	ESE	2.0
16 Feb 2024	1:00 PM	SE	1.4
16 Feb 2024	2:00 PM	ESE	1.3
16 Feb 2024	3:00 PM	S	1.5
16 Feb 2024	4:00 PM	W	2.5
16 Feb 2024	5:00 PM	WSW	2.2
16 Feb 2024	6:00 PM	W	2.5
16 Feb 2024	7:00 PM	SW	1.8
16 Feb 2024	8:00 PM	SW	1.8
16 Feb 2024	9:00 PM	SW	1.2
16 Feb 2024	10:00 PM	S	0.8
16 Feb 2024	11:00 PM	SW	1.1
17 Feb 2024	12:00 AM	SSW	0.9

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
17 Feb 2024	1:00 AM	SW	0.9
17 Feb 2024	2:00 AM	SW	1.3
17 Feb 2024	3:00 AM	SW	2.0
17 Feb 2024	4:00 AM	W	1.0
17 Feb 2024	5:00 AM	S	0.7
17 Feb 2024	6:00 AM	SSW	1.3
17 Feb 2024	7:00 AM	S	0.7
17 Feb 2024	8:00 AM	S	0.7
17 Feb 2024	9:00 AM	W	2.3
17 Feb 2024	10:00 AM	WSW	2.0
17 Feb 2024	11:00 AM	WSW	2.0
17 Feb 2024	12:00 PM	WSW	1.3
17 Feb 2024	1:00 PM	SSW	1.4
17 Feb 2024	2:00 PM	WNW	1.7
17 Feb 2024	3:00 PM	WSW	1.6
17 Feb 2024	4:00 PM	WSW	1.8
17 Feb 2024	5:00 PM	SSE	1.0
17 Feb 2024	6:00 PM	SSW	2.9
17 Feb 2024	7:00 PM	W	3.5
17 Feb 2024	8:00 PM	NW	4.1
17 Feb 2024	9:00 PM	SSW	1.1
17 Feb 2024	10:00 PM	SW	0.8
17 Feb 2024	11:00 PM	SE	0.5
18 Feb 2024	12:00 AM	ESE	0.4
18 Feb 2024	1:00 AM	SE	0.3
18 Feb 2024	2:00 AM	SE	0.4
18 Feb 2024	3:00 AM	SSW	0.4
18 Feb 2024	4:00 AM	WSW	0.2
18 Feb 2024	5:00 AM	SE	0.2
18 Feb 2024	6:00 AM	SSW	0.4
18 Feb 2024	7:00 AM	SSW	0.3
18 Feb 2024	8:00 AM	SE	0.4
18 Feb 2024	9:00 AM	SE	0.6
18 Feb 2024	10:00 AM	S	1.2
18 Feb 2024	11:00 AM	SSW	1.6
18 Feb 2024	12:00 PM	SW	1.7
18 Feb 2024	1:00 PM	SSE	1.3
18 Feb 2024	2:00 PM	SW	1.3
18 Feb 2024	3:00 PM	S	1.2
18 Feb 2024	4:00 PM	SW	1.3
18 Feb 2024	5:00 PM	SSW	1.7
18 Feb 2024	6:00 PM	SSW	1.0
18 Feb 2024	7:00 PM	SSW	0.9
18 Feb 2024	8:00 PM	SSW	0.5
18 Feb 2024	9:00 PM	WSW	0.3
18 Feb 2024	10:00 PM	SSW	0.3
18 Feb 2024	11:00 PM	E	0.4
19 Feb 2024	12:00 AM	SSW	0.4
19 Feb 2024	1:00 AM	SE	0.2
19 Feb 2024	2:00 AM	S	0.2
19 Feb 2024	3:00 AM	S	0.2
19 Feb 2024	4:00 AM	SSE	0.2
19 Feb 2024	5:00 AM	SE	0.2
19 Feb 2024	6:00 AM	SE	0.3
19 Feb 2024	7:00 AM	SE	0.4

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
19 Feb 2024	8:00 AM	SE	0.5
19 Feb 2024	9:00 AM	SE	1.0
19 Feb 2024	10:00 AM	E	0.9
19 Feb 2024	11:00 AM	E	1.0
19 Feb 2024	12:00 PM	SSE	1.1
19 Feb 2024	1:00 PM	SE	0.9
19 Feb 2024	2:00 PM	SE	1.1
19 Feb 2024	3:00 PM	E	1.0
19 Feb 2024	4:00 PM	SSE	0.9
19 Feb 2024	5:00 PM	WSW	1.2
19 Feb 2024	6:00 PM	SSW	0.9
19 Feb 2024	7:00 PM	SSE	1.0
19 Feb 2024	8:00 PM	SW	0.8
19 Feb 2024	9:00 PM	SSE	0.9
19 Feb 2024	10:00 PM	S	0.8
19 Feb 2024	11:00 PM	S	1.1
20 Feb 2024	12:00 AM	SW	1.2
20 Feb 2024	1:00 AM	S	0.8
20 Feb 2024	2:00 AM	S	0.4
20 Feb 2024	3:00 AM	SSE	0.5
20 Feb 2024	4:00 AM	SE	0.5
20 Feb 2024	5:00 AM	SSE	0.4
20 Feb 2024	6:00 AM	SE	0.8
20 Feb 2024	7:00 AM	S	0.5
20 Feb 2024	8:00 AM	S	1.2
20 Feb 2024	9:00 AM	SW	1.2
20 Feb 2024	10:00 AM	SSW	2.1
20 Feb 2024	11:00 AM	SSW	1.7
20 Feb 2024	12:00 PM	S	1.3
20 Feb 2024	1:00 PM	SSE	1.3
20 Feb 2024	2:00 PM	S	1.4
20 Feb 2024	3:00 PM	S	1.3
20 Feb 2024	4:00 PM	SSW	1.8
20 Feb 2024	5:00 PM	SW	1.6
20 Feb 2024	6:00 PM	SSE	1.0
20 Feb 2024	7:00 PM	SSW	1.1
20 Feb 2024	8:00 PM	S	0.6
20 Feb 2024	9:00 PM	SSE	1.1
20 Feb 2024	10:00 PM	SSE	1.3
20 Feb 2024	11:00 PM	S	1.0
21 Feb 2024	12:00 AM	SSE	1.2
21 Feb 2024	1:00 AM	ESE	1.3
21 Feb 2024	2:00 AM	SE	1.1
21 Feb 2024	3:00 AM	SE	0.8
21 Feb 2024	4:00 AM	SSE	0.4
21 Feb 2024	5:00 AM	S	0.4
21 Feb 2024	6:00 AM	S	0.4
21 Feb 2024	7:00 AM	S	0.8
21 Feb 2024	8:00 AM	SSE	0.6
21 Feb 2024	9:00 AM	SW	1.5
21 Feb 2024	10:00 AM	SSE	1.1
21 Feb 2024	11:00 AM	SW	2.0
21 Feb 2024	12:00 PM	SW	2.4
21 Feb 2024	1:00 PM	SSE	1.6
21 Feb 2024	2:00 PM	SW	1.5

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
21 Feb 2024	3:00 PM	S	1.3
21 Feb 2024	4:00 PM	SE	1.4
21 Feb 2024	5:00 PM	SSE	1.0
21 Feb 2024	6:00 PM	W	1.8
21 Feb 2024	7:00 PM	WNW	1.8
21 Feb 2024	8:00 PM	WSW	1.5
21 Feb 2024	9:00 PM	ESE	0.5
21 Feb 2024	10:00 PM	SE	0.3
21 Feb 2024	11:00 PM	SSE	0.3
22 Feb 2024	12:00 AM	S	0.4
22 Feb 2024	1:00 AM	SSE	0.4
22 Feb 2024	2:00 AM	SSE	0.2
22 Feb 2024	3:00 AM	S	0.2
22 Feb 2024	4:00 AM	S	0.3
22 Feb 2024	5:00 AM	SSE	0.3
22 Feb 2024	6:00 AM	S	0.3
22 Feb 2024	7:00 AM	S	0.4
22 Feb 2024	8:00 AM	SSW	0.5
22 Feb 2024	9:00 AM	SSE	0.8
22 Feb 2024	10:00 AM	SSW	1.2
22 Feb 2024	11:00 AM	S	1.2
22 Feb 2024	12:00 PM	SSW	1.3
22 Feb 2024	1:00 PM	SSE	1.8
22 Feb 2024	2:00 PM	S	1.5
22 Feb 2024	3:00 PM	S	1.0
22 Feb 2024	4:00 PM	SSW	0.9
22 Feb 2024	5:00 PM	S	0.8
22 Feb 2024	6:00 PM	SE	0.9
22 Feb 2024	7:00 PM	SSE	0.8
22 Feb 2024	8:00 PM	ESE	0.8
22 Feb 2024	9:00 PM	SE	1.1
22 Feb 2024	10:00 PM	ESE	0.9
22 Feb 2024	11:00 PM	SSE	0.7
23 Feb 2024	12:00 AM	SSE	0.6
23 Feb 2024	1:00 AM	SSW	0.8
23 Feb 2024	2:00 AM	SSE	0.8
23 Feb 2024	3:00 AM	E	0.8
23 Feb 2024	4:00 AM	SSE	1.1
23 Feb 2024	5:00 AM	SSE	0.8
23 Feb 2024	6:00 AM	SSW	1.3
23 Feb 2024	7:00 AM	S	1.8
23 Feb 2024	8:00 AM	SSW	1.9
23 Feb 2024	9:00 AM	S	2.3
23 Feb 2024	10:00 AM	SSW	2.1
23 Feb 2024	11:00 AM	S	1.6
23 Feb 2024	12:00 PM	S	1.8
23 Feb 2024	1:00 PM	SSE	1.8
23 Feb 2024	2:00 PM	S	1.5
23 Feb 2024	3:00 PM	S	2.4
23 Feb 2024	4:00 PM	SW	1.6
23 Feb 2024	5:00 PM	SW	0.9
23 Feb 2024	6:00 PM	S	2.0
23 Feb 2024	7:00 PM	SW	1.2
23 Feb 2024	8:00 PM	SW	0.7
23 Feb 2024	9:00 PM	S	1.0

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
23 Feb 2024	10:00 PM	SSW	1.5
23 Feb 2024	11:00 PM	SSE	2.6
24 Feb 2024	12:00 AM	SSE	3.4
24 Feb 2024	1:00 AM	S	2.2
24 Feb 2024	2:00 AM	S	2.1
24 Feb 2024	3:00 AM	SSW	1.5
24 Feb 2024	4:00 AM	SSW	1.9
24 Feb 2024	5:00 AM	SSW	2.0
24 Feb 2024	6:00 AM	SSW	2.1
24 Feb 2024	7:00 AM	S	2.2
24 Feb 2024	8:00 AM	SSW	1.9
24 Feb 2024	9:00 AM	SSE	2.0
24 Feb 2024	10:00 AM	S	1.8
24 Feb 2024	11:00 AM	S	1.8
24 Feb 2024	12:00 PM	SSE	2.4
24 Feb 2024	1:00 PM	SSW	2.0
24 Feb 2024	2:00 PM	SSE	2.4
24 Feb 2024	3:00 PM	SSE	2.9
24 Feb 2024	4:00 PM	SSE	3.2
24 Feb 2024	5:00 PM	SSE	2.7
24 Feb 2024	6:00 PM	SSE	3.1
24 Feb 2024	7:00 PM	SSE	2.7
24 Feb 2024	8:00 PM	SSE	2.8
24 Feb 2024	9:00 PM	S	1.8
24 Feb 2024	10:00 PM	S	2.2
24 Feb 2024	11:00 PM	SE	2.2
25 Feb 2024	12:00 AM	SSW	2.2
25 Feb 2024	1:00 AM	SSW	2.1
25 Feb 2024	2:00 AM	SSW	1.5
25 Feb 2024	3:00 AM	SSE	3.2
25 Feb 2024	4:00 AM	SSE	3.1
25 Feb 2024	5:00 AM	S	3.0
25 Feb 2024	6:00 AM	S	2.5
25 Feb 2024	7:00 AM	SSW	2.1
25 Feb 2024	8:00 AM	S	1.7
25 Feb 2024	9:00 AM	S	2.3
25 Feb 2024	10:00 AM	S	2.2
25 Feb 2024	11:00 AM	S	2.2
25 Feb 2024	12:00 PM	S	2.1
25 Feb 2024	1:00 PM	SSE	2.4
25 Feb 2024	2:00 PM	SSE	2.5
25 Feb 2024	3:00 PM	S	2.4
25 Feb 2024	4:00 PM	S	1.9
25 Feb 2024	5:00 PM	S	2.0
25 Feb 2024	6:00 PM	S	2.2
25 Feb 2024	7:00 PM	SSE	1.9
25 Feb 2024	8:00 PM	SSE	1.8
25 Feb 2024	9:00 PM	S	1.1
25 Feb 2024	10:00 PM	SSE	0.9
25 Feb 2024	11:00 PM	SSE	1.2
26 Feb 2024	12:00 AM	S	1.0
26 Feb 2024	1:00 AM	S	1.6
26 Feb 2024	2:00 AM	S	1.4
26 Feb 2024	3:00 AM	S	1.4
26 Feb 2024	4:00 AM	SSW	1.4

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
26 Feb 2024	5:00 AM	S	2.1
26 Feb 2024	6:00 AM	SSW	2.2
26 Feb 2024	7:00 AM	SW	1.7
26 Feb 2024	8:00 AM	S	1.4
26 Feb 2024	9:00 AM	S	1.7
26 Feb 2024	10:00 AM	SSW	1.7
26 Feb 2024	11:00 AM	S	1.8
26 Feb 2024	12:00 PM	SSW	1.6
26 Feb 2024	1:00 PM	SSE	1.3
26 Feb 2024	2:00 PM	S	1.4
26 Feb 2024	3:00 PM	SE	1.1
26 Feb 2024	4:00 PM	S	1.3
26 Feb 2024	5:00 PM	ESE	1.2
26 Feb 2024	6:00 PM	SSE	0.7
26 Feb 2024	7:00 PM	SSE	0.7
26 Feb 2024	8:00 PM	ESE	0.6
26 Feb 2024	9:00 PM	SSE	0.7
26 Feb 2024	10:00 PM	S	0.9
26 Feb 2024	11:00 PM	SSW	1.2
27 Feb 2024	12:00 AM	SSW	1.0
27 Feb 2024	1:00 AM	S	1.7
27 Feb 2024	2:00 AM	S	1.9
27 Feb 2024	3:00 AM	S	2.1
27 Feb 2024	4:00 AM	SSE	2.5
27 Feb 2024	5:00 AM	SSW	2.2
27 Feb 2024	6:00 AM	SSW	2.7
27 Feb 2024	7:00 AM	S	2.6
27 Feb 2024	8:00 AM	S	2.3
27 Feb 2024	9:00 AM	SSW	2.2
27 Feb 2024	10:00 AM	SW	1.8
27 Feb 2024	11:00 AM	S	1.6
27 Feb 2024	12:00 PM	S	1.5
27 Feb 2024	1:00 PM	S	1.5
27 Feb 2024	2:00 PM	SE	1.2
27 Feb 2024	3:00 PM	SSE	1.1
27 Feb 2024	4:00 PM	SSE	1.1
27 Feb 2024	5:00 PM	ESE	0.9
27 Feb 2024	6:00 PM	SE	1.0
27 Feb 2024	7:00 PM	SE	0.9
27 Feb 2024	8:00 PM	S	1.1
27 Feb 2024	9:00 PM	S	0.7
27 Feb 2024	10:00 PM	SSW	0.5
27 Feb 2024	11:00 PM	SE	0.4
28 Feb 2024	12:00 AM	SSE	0.4
28 Feb 2024	1:00 AM	SSW	0.5
28 Feb 2024	2:00 AM	SW	0.7
28 Feb 2024	3:00 AM	SSE	0.6
28 Feb 2024	4:00 AM	SSE	0.4
28 Feb 2024	5:00 AM	SSW	0.9
28 Feb 2024	6:00 AM	S	0.8
28 Feb 2024	7:00 AM	S	0.7
28 Feb 2024	8:00 AM	SE	0.2
28 Feb 2024	9:00 AM	SW	0.7
28 Feb 2024	10:00 AM	SSW	1.2
28 Feb 2024	11:00 AM	SW	1.0

February 2024			
Table II: Wind Speed and Directions			
Date	**Time**	**Direction**	**Wind Speed m^{-s}**
28 Feb 2024	12:00 PM	SSE	0.9
28 Feb 2024	1:00 PM	SW	1.4
28 Feb 2024	2:00 PM	S	1.1
28 Feb 2024	3:00 PM	S	1.5
28 Feb 2024	4:00 PM	SSE	1.1
28 Feb 2024	5:00 PM	S	0.7
28 Feb 2024	6:00 PM	SSE	1.1
28 Feb 2024	7:00 PM	S	0.9
28 Feb 2024	8:00 PM	SW	0.7
28 Feb 2024	9:00 PM	SSW	0.3
28 Feb 2024	10:00 PM	S	0.2
28 Feb 2024	11:00 PM	S	0.2
29 Feb 2024	12:00 AM	SSE	0.2
29 Feb 2024	1:00 AM	SSW	0.2
29 Feb 2024	2:00 AM	SSE	0.3
29 Feb 2024	3:00 AM	SSE	0.6
29 Feb 2024	4:00 AM	SSW	0.5
29 Feb 2024	5:00 AM	SSE	0.3
29 Feb 2024	6:00 AM	SSW	0.2
29 Feb 2024	7:00 AM	SSW	0.4
29 Feb 2024	8:00 AM	SSE	0.3
29 Feb 2024	9:00 AM	SSE	0.3
29 Feb 2024	10:00 AM	SSE	0.4
29 Feb 2024	11:00 AM	SSW	0.7
29 Feb 2024	12:00 PM	SSE	1.1
29 Feb 2024	1:00 PM	SSE	1.3
29 Feb 2024	2:00 PM	S	1.1
29 Feb 2024	3:00 PM	SSE	1.1
29 Feb 2024	4:00 PM	SSE	1.7
29 Feb 2024	5:00 PM	S	2.9
29 Feb 2024	6:00 PM	S	2.7
29 Feb 2024	7:00 PM	S	2.3
29 Feb 2024	8:00 PM	SSE	2.9
29 Feb 2024	9:00 PM	SSW	2.2
29 Feb 2024	10:00 PM	S	3.3
29 Feb 2024	11:00 PM	S	3.3