# **Civil Engineering and Development Department**

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team

<u>Environmental Permit No.: EP-477/2013/A</u> <u>Development of Lok Ma Chau Loop</u>

Quarterly Environmental Monitoring and Audit Report for April to June 2022

(Version 1.0)

Certified By	Dr. Priscilla Choy
	(Environmental Team Leader)

**REMARKS:** 

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

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

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Our ref.: LES/J2021-04/CS/L079 Date : 6 September 2022

By Post & Email

Civil Engineering and Development Department West Development Office West Division (5) 26/F, Tsuen Wan Government Office, 38 Sai Lau Kok Road, Tsuen Wan, New Territories

Attn: Ms. TAM Im Fei

Dear Ms. TAM,

Agreement No. WD/01/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Independent Environmental Checker

#### Verification of Quarterly EM&A Report (April to June 2022)

Reference is made to the Quarterly Environmental Monitoring and Audit (EM&A) Report of certified by the Environmental Team Leader in September 2022. We hereby verify the captioned submission in accordance with Clause 14.4 of the EM&A Manual for the project of Development of Lok Ma Chau Loop.

Should you have any query, please feel free to contact the undersigned.

Yours faithfully, For and On Behalf Of Lam Environmental Services Limited

Raymond Dai Independent Environmental Checker

c.c. AECOM Wellab Limited Mr. Eric Wong Dr. Priscilla Choy By Email By Email

Lam Environmental Services Limited 19/F, Remex Centre, 42 Wong Chuk Hang Road, Hong Kong Tel: 2882 3939 Fax: 2882 3331 Web Site: http://www.lamenviro.com

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## **EXECUTIVE SUMMARY**

## Introduction

1. This is the 14<sup>th</sup> Quarterly Environmental Monitoring and Audit (EM&A) Report prepared for the project with Environmental Permit No.: EP-477/2013/A - Development of Lok Ma Chau Loop (hereinafter called "the Project"). This report documents the findings of Environmental Monitoring and Audit (EM&A) work conducted in the period from 1<sup>st</sup> April to 30<sup>th</sup> June 2022.

## Summary of Construction Works undertaken during the Reporting Quarter

- 2. During the reporting quarter, the following Works Contracts were undertaken for the Project:
  - Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (hereinafter called the "Contract 1")
  - Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (hereinafter called the "Contract 2")
  - Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 - Contract 3 Direct Road Link Phase 2

## **Environmental Monitoring and Audit 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. Summary of the environmental exceedances of the reporting quarter for the Project is tabulated in **Table I**.

Environmental Monitoring	Parameter	No. of Non-Project related Exceedances		No. of Exceedance related to the Construction Works of the Project		Action Taken
C		Action Level	Limit Level	Action Level	Limit Level	Taxen
	1-hr TSP	0	0	0	0	N/A
Air Quality	24-hr TSP	0	0	0	0	N/A
Construction Noise	Daytime L <sub>eq(30min)</sub>	0	0	0	0	Refer to Section 6
	DO	0	0	0	0	N/A
Water Quality	Turbidity	0	0	0	0	N/A

 Table I
 Summary Table for Events Recorded in the Reporting Quarter

	00	0	0	0	0	NT / A
	55	0	0	0	0	N/A

# Air Quality

5. All construction air quality monitoring including 1-hour TSP and 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.

#### **Construction Noise**

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

### Water Quality

7. All water quality monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.

### **Ecological Monitoring**

#### <u>LMC Loop</u>

Avifauna (Flight Line Survey)

- 8. Avifauna monitoring was conducted as scheduled in the reporting quarter. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River.
- 9. In April to June 2022, it was observed that most birds avoided using the flight line over the centre of LMC Loop. This is considered due to the construction activities from other project's land occupier.

#### Mammals

- 10. The mammals monitoring in the Loop has been temporary suspended since in March 2022 and will be resumed subject to the site conditions based on the followings:
  - According the Clause 11.4.1.2 of EM&A Manual, the objective of mammals monitoring is to monitor the connectivity between the existing reed marsh and the EA. In view of current site condition of the Loop, the connectivity between the existing reed marsh and the EA Zone has been fenced off due to other project's land occupier.
  - 12-month establishment period of EA zone has been completed.

### Western Connection Road

### Avifauna (Flight Line Survey)

11. Avifauna monitoring was conducted as scheduled in the reporting quarter. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. Most birds avoided using the flight line over the centre of LMC Loop which is considered due to the construction activities from other project's land occupier.

Avifauna (Pond 12)

12. Avifauna survey at Pond 12 was conducted as scheduled in the reporting quarter. Weekly count of birds using the Pond was recorded. No significant impact of construction activities on bird use of the pond was observed.

### Herptofauna

13. Herptofauna survey was conducted as scheduled in the reporting quarter. No significant impact of construction activities on the numbers of this species was observed.

### Aquatic fauna

14. Aquatic fauna survey was conducted as scheduled in the reporting quarter. No significant impact of construction activities on the stream was observed.

## **Contaminated Soil Remediation**

- 15. Decontamination for five arsenic-contaminated zones (LD01 LD05) identified in LMC Loop was completed and the final Remediation Report was submitted and approved by EPD in accordance with Condition 2.16 of the EP-477/2013/A under Contract No. YL/2017/03.
- 16. No work related to land contamination was conducted in the reporting quarter.

## **Environmental Non-Compliance**

17. No environmental non-compliance was recorded in the site inspections during the reporting quarter.

### **Environmental Complaint**

18. One (1) environmental complaint related to water quality was received in the reporting quarter. The Complaint Log is presented in **Appendix M**.

### Notification of Summons and Successful Prosecutions

19. No notification of summons or successful environmental prosecutions was received in the reporting quarter.

# Future Key Issues

20. The major site activities for the coming three months include:

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

- (a) Western Connection Road (WCR) Stage 1 Construction: Demolition of Existing Structures, Excavation, DCM and Retaining Wall.
- (b) Wetland Compensation Establishment Works and Ecological Monitoring.
- (c) Pre-drilling for Boc Culvert C and A1.
- (d) Meander Bridge Pre-drilling and Site Formation for Piling Platform.
- (e) Advance Work for Alternative Road along EV Zone (PMI).

(f) PM Office (MIC) and Contractor Office (subject to release date of Closed-loop Area at Portion 7)

(Note that as the Emergency Hospital and Mobile Cabin Facility has been occupying the site, potential remaining works under Contract 1 is still under discussion. The activities above are tentative.)

Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

- (a) Tree Felling / Tree Transplant.
- (b) Pre-construction Condition Survey inside MTRC tunnel.
- (c) Erection of Contractor's Site Office.
- (d) Pre-drilling and Trial Pits for Bridge ST01, CTFB and DRL.
- (e) Site clearance and GI works for Cut Slopes CS1, CS2 and Retaining wall BPW1, and associated temporary working platform.
- (f) Construction of concrete block piling platform for piling works of Retaining Wall BPW1.
- (g) Erection of Temporary Noise Barrier along the Lok Ma Chau Road.
- (h) Box Culvert Modification at Lok Ma Chau Road (Stage 1).
- Demolition of Existing Structures along Lok Ma Chau Road. Structure Ref. R41, R42 & R50.
- (j) Existing Cycle Track Subway Modification.
- (k) Construction of Pai Lau.
- (l) Bored pile and socketed H-Pile for Bridge CTFB, ST01 & DRL.

Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

- (a) Elevated PTI Hoarding erection.
- (b) Elevated PTI UU Diversion.
- (c) Demolition of Existing Structure.
- (d) Paving Works for Stage 2.
- (e) Pre-drilling.
- 21. Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, noise, water quality, waste management and ecology.

# 1 INTRODUCTION

1.1 Wellab Limited (WELLAB) was appointed by the Civil Engineering and Development Department (CEDD) under Service Contract No. WD/04/2020 as the Environmental Team to undertake the Environmental Monitoring and Audit (EM&A) programme for the Works Contracts under Main Works Package 1 and the remaining works under Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works to ensure that the environmental performance of the Works Contracts comply with the requirements specified in the Environmental Permit (EP), Environmental Monitoring & Audit (EM&A) Manual, Environmental Impact Assessment (EIA) Report of the Project and other relevant statutory requirements.

# **Purpose of the report**

1.2 This is the 14<sup>th</sup> Quarterly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from April to June 2022.

# Structure of the report

- 1.3 The structure of the report is as follows:
  - Section 1: Introduction purpose and structure of the report.
  - Section 2: **Project Information** summarises background and scope of the Project, site description, project organisation and contact details, construction programme, the construction works undertaken and the status of Environmental Permits/Licences during the reporting period.
  - Section 3: Environmental Monitoring and Audit Requirement summarises monitoring location and parameters, monitoring programmes, monitoring frequencies, Action and Limit Levels, Event / Action Plans, and Site Audit inspection.
  - Section 4: **Monitoring Results** summarises the monitoring results in the reporting quarter.
  - Section 5: **Environmental Site Inspection** summarises the audit findings of the weekly site inspections undertaken within the reporting period.
  - Section 6: Non-Compliance of the Environmental Quality Performance Limits (Action and Limit) – summarises any monitoring exceedance, environmental complaints, environmental summons and successful prosecutions within the reporting period.
  - Section 7: **Future Key Issues** summarises the impact forecast and monitoring schedule for the next three months.
  - Section 8: Conclusions and Recommendations

# 2 PROJECT INFORMATION

### Background

- 2.1 The development at Lok Man Chau (LMC) Loop is one of the ten major infrastructure projects for economic growth of the Hong Kong Special Administrative Region (HKSAR). The HKSAR Government would work with the Shenzhen authorities to tap the land resources of the LMC Loop to meet future development needs and consolidate the strategic position of both cities in the Pan-Pearl River Delta region. The Project is to develop LMC Loop with higher education as the leading land use, complemented by high-tech research and development facilities and cultural and creative industries.
- 2.2 The planning and engineering study for the Loop development is a designated project (DP) classified under Item 1 Schedule 3 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499). In October 2013, the EIA Report (AEIAR-176/2013) of the Project was approved by the Director of Environmental Protection pursuant to the EIA Ordinance in accordance with the EIA Study Brief (No. ESB-201/2008 and ESB-238/2011) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM). The Environmental Permit (EP) (EP no.: EP-477/2013) was also granted in November 2013.
- 2.3 Pursuant to Section 13 of the EIAO, the Director of Environmental Protection amends the Environmental Permit (No. EP-477/2013) based on the Application No. VEP- 595/2021 and the environmental Permit (Permit No. E EP-477/2013/A) was issued on 12<sup>th</sup> August 2021 for Development of Lok Ma Chau Loop.
- 2.4 The Loop development is implemented by three works packages in stages, namely: Advance Works, Main Works Package 1 (MWP1) and Main Works Package 2 (MWP2).
- 2.5 Contract No. YL/2017/03 Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works (hereinafter called the "Contract") was awarded to Sang Hing Kuly Joint Venture (hereinafter called the "Contractor 1") in June 2018 for the Advance Works.
- 2.6 For MWP1, there is a total of 5 Works Contracts and the contract packaging is shown below:
  - Contract 1 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1
  - Contract 2 Development of Lok Ma Chau Loop: Main Works Package 1 Contract
     Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1
  - Contract 3 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 3 – Direct Road Link Phase 2
  - 4) Contract 4 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 4 Fresh Water Service Reservoir and Associated Waterworks
  - Contract 5 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 5 – Landscaping Works within Lok Ma Chau Loop

- 2.7 Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (hereinafter called the "Contract 1") was awarded to CRCC-Kwan Lee-Paul Y. JV (hereinafter called the "Contractor 2") in July 2021.
- 2.8 Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (hereinafter called the "Contract 2") was awarded to China Road and Bridge Corporation (hereinafter called the "Contractor 3") in September 2021.
- 2.9 During the reporting quarter, the following Works Contracts were undertaken for the Project:
  - Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (hereinafter called the "Contract 1")
  - Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (hereinafter called the "Contract 2")
  - Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 - Contract 3 Direct Road Link Phase 2 (Contract 3)
- 2.10 The layout of the construction works and the scope of works under the Contracts are summarised in **Table 2.1**.

Tuble 211 B	te Luy out und scope of Worlds under the Contre	iets
Contract(s)	Scope of Works	Site Layout Plan
Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works	<ul> <li>a) Land decontamination treatment within the Loop;</li> <li>b) Establishment of an Ecological Area (EA) within the Loop;</li> <li>c) Construction of a temporary access to the Loop;</li> <li>d) Minor improvement works to Ha Wan Tsuen East Road and other ancillary works;</li> <li>e) Construction of temporary noise barriers and miscellaneous road works along Lok Ma Chau Road;</li> <li>f) Ground treatment works to the first batch of land</li> </ul>	Figure 1a
	<ul> <li>a) Ground treatment works to the first batch of fand parcels within the Loop for development of buildings and associated facilities for Phase 1 of the Hong Kong – Shenzhen Innovation and Technology Park and development of the western electricity substation; and</li> <li>g) Implementation of environmental mitigation measures for the works mentioned in the items (a) to (f) above.</li> </ul>	
ContractNo.YL/2020/01-Development of LokMa Chau Loop: MainWorks Package 1Contract1Site	<ul> <li>(a) Site formation of 70ha for the Loop;</li> <li>(b) Ground treatment by either surcharge and installation of vertical band drains or deep cement mixing method, and associated slopeworks, retaining wall, landscaping works;</li> <li>(c) Construction of internal roads (Road D1 and</li> </ul>	Figure 1b

Table 2.1Site Layout and Scope of Works under the Contracts

Contract(s)	Scope of Works	Site Layout Plan
Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1	<ul> <li>Road L1), Public Transport Interchange (PTI) and associated drainage and sewerage works, waterworks, street lighting, utilities (including interim water main), street furniture and traffic aids, etc. within the Loop;</li> <li>(d) Construction of bridge structure across old Shenzhen River meander;</li> <li>(e) Temporary haul road linking Sai Kwo Road to the Loop;</li> <li>(f) Ecological and environmental mitigation measures within the Loop including retention of reedbeds;</li> <li>(g) Ecological and environmental mitigation measures outside the Loop including fishpond, off-site wetland and woodland compensation; and</li> <li>(h) Construction of Western Connection Road (WCR) Phase 1 (section along existing Ha Wan Tsuen East Road)</li> <li>Widening of Ha Wan Tsuen East Road;</li> </ul>	
	- Provision of cycle track and footpath;	
	- Associated site formation and ground treatment works;	
	- Utilities; and	
	- Associated noise mitigation measures.	
ContractNo.:YL/2020/02-Development of LokMa Chau Loop: MainWorks Package 1	<ul> <li>a) Remainder of Western Connection Road (WCR) comprising the following (excluding the first section WCR which is included in Contract 1)</li> <li>Improvement of Lok Ma Chau (LMC) Road;</li> </ul>	Figure 1b
Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link	- Provision of cycle track and rootpath;	
	<ul> <li>Construction of elevated cycle track cull footpath connecting Lok Ma Chau Road and Castle Peak Road – Chau Tau;</li> </ul>	
	- Associated noise mitigation measures;	
Phase 1	- Associated slope works, retaining wall and natural terrain mitigation works; and	
	- Associated box culverts, drainage works and water works, street furniture and traffic aids, utilities and landscape works.	
	<ul> <li>b) LMC Road and San Tin Highway Connection</li> <li>- Construction of bridge structure connecting LMC Road and San Tin Highway; and</li> </ul>	
	- Junction Improvement works at Castle Peak Road and LMC Road.	
	<ul> <li>(i) Construction of Direct Road Link (DRL) Phase 1 comprising a vehicular bridge structure with provision of covered pedestrian walkway linking LMC Station PT1 and Ha Wan Tsuen East Road.</li> </ul>	

### **Contracts Organization**

2.11 There are different parties with different levels of involvement in the Contracts organization. The key personnel contact names and numbers are summarised in **Table 2.2**.

Organization	Project Role	Contact Person	Tel No.	Fax No.	
CEDD	Project Proponent	Mr. Davy KS CHAN	24176370	2412 0358	
WELLAB	ET	Dr. Priscilla Choy – ET Leader	2898 7388	2898 7076	
Lam Environmental Services Limited (LAM)	IEC	Mr. Raymond Dai	2839 5666	2882 3331	
Contract No. YI	./2020/01				
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA	
		Site Agent – Mr. Jeremy Luk	90137913	27740197	
	Contractor	JV Representative – Mr. Alvin Chan	91056863	27740197	
		Team Leader – Mr. Jack Chu	97753008	27740197	
		Team Leader – Mr. Desmond Tang	51880815	27740197	
CRCC-Kwan Lee-Paul Y. JV		Section Agent – Mr. S M Ma	66286221	27740197	
		Superintendent – Mr. Y K Poon	91778196	27740197	
		Superintendent – Mr. Ray Wong	91710919	27740197	
		Environmental Officer – Ms. Lila Lui	52610378	27740197	
		Environmental Supervisor- Mr. Ray Wong	91710919	27740197	
Contract No. YI	Contract No. YL/2020/02				
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA	
China Road and Bridge	Contractor	Site Agent – Mr. Raymond Suen	9779 8871	3996 9202	

Table 2.2Key Contacts of the Project

Organization	Project Role	Contact Person	Tel No.	Fax No.
Corporation		Team Leader – Mr. Jackson Chan	9254 1635	3996 9202
		Team Leader – Mr. Billy Leung	9777 0799	3996 9202
		Deputy Team Leader – Mr. Roger Poon	9503 2488	3996 9202
		Senior Foreman – Mr. Po Hang Lam	9345 6134	3996 9202
		Senior Foreman – Mr. Ka Kit Chan	6088 7741	3996 9202
		Foreman – Mr. Philip Tse	5128 1232	3996 9202
		Environmental Officer – Mr. Calvin So	9724 6254	3996 9202
		Environmental Supervisor- Mr. Leo Choi	9664 7880	3996 9202
Contract No. YI	L/2021/01			
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA
		Site Agent – Mr. Desmond Tang	5188 0815	3015 7861
		Section Agent – Mr. Charles Choi	6350 0142	3015 7861
Paul YChun Wo-CRCC JV		General Foreman – Mr. Yau Shueng Kee	9710 1663	3015 7861
		Environmental Officer – Ms. Lila Lui	5261 0378	3015 7861
		Environmental Supervisor – Mr. Terence Lai	9829 9605	3015 7861

## Summary of Construction Works Undertaken during Reporting Quarter

2.12 The major site activities undertaken in the reporting quarter included:

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Month(s)	Major Site Activities
April 2022	<ul> <li>(a) All works at LMC Loop suspended on 21 Feb 2022.</li> <li>(b) Wetland Compensation Establishment Works and Ecological Monitoring.</li> <li>(c) Portion 6 - WCR Site Clearance, Demolition of Existing Structures.</li> </ul>

Month(s)	Major Site Activities
May 2022	(a) All works at LMC Loop were suspended on 21st February
	2022.
	(b) Areas 2, 7 and 9 - Planting works.
	(c) Portion 6 - WCR Site Clearance, Demolition of Existing
	Structures.
June 2022	(a) Area 9 and Area 7 Area 2 Planting works.
	(b) Portion 6 - WCR Site Clearance, Demolition of Existing
	Structures.
	(c) Pre-drilling for Boc Culvert C and A1.

Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Month(s)	Major Site Activities				
April 2022	(a) Tree felling and transplantation works.				
	(b) Box culvert modification and trial pits works.				
	(c) Pre-drilling works at ST01, CTFB and DRL.				
	(d) Temporary Noise Barrier.				
	(e) Reedbed Cell no. 3A pilot test commenced on 9 March 2022				
	and completed on 4 April 2022.				
	(f) Retaining Wall BPW1 / CS1 / CS2 haul road and diverted				
	footpath for villagers completed, GI and site clearance in				
	progress.				
	(g) CTFB Site clearance and forming haul road completed,				
	predrilling in progress.				
	(h) Demolition of Existing Structures.				
May 2022	(a) Tree felling and transplantation works.				
	(b) Box culvert modification, trial pits excavation and identification of				
	existing utilities.				
	(c) Pre-drilling works at ST01, CTFB and DRL.				
	(d) Temporary Noise Barrier.				
	(e) Monthly monitoring of the polishing function of Reedbed Cell no.				
	3A. Retaining Wall BPW1 / CS1 / CS2. GI works completed.				
	(g) CTFB, socketed H-pile for the staircase.				
	(h) Demolition of Existing Structures.				
	(i) Modified the existing boundary fencing at DRL-P09 for pre-drilling				
	works.				
June 2022	(a) Tree felling and transplantation works.				
	(b) Box culvert modification, trial pits excavation and identification of				
	existing utilities.				
	(c) Pre-drilling works at ST01, CTFB and DRL.				
	(d) Temporary Noise Barrier.				
	(e) Monthly monitoring of the polishing function of Reedbed Cell no.				
	3A.				
	(f) Retaining Wall BPW1 / CS1 / CS2. GI works completed.				
	(g) CTFB, socketed H-pile for the staircase.				
	(h) Demolition of Existing Structures.				
	(i) Modified the existing boundary fencing at DRL-P09 for pre-drilling				
	works.				

Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Month(s)	Major Site Activities					
April 2022						
May 2022	(a) Fencing Off EEAA Zone. (b) Initial Survey					
	(c) UU detection.					
	(d) Tree Survey.					
	(e) Trial Pit Excavation.					
	(f) Tree Felling.					
June 2022	(a) Dismantle of MTR EEAA fencing.					
	(b) Predrill.					
	(c) UU detection.					
	(d) Trial Pit Excavation.					

### Status of Environmental Licences, Notifications and Permits

2.13 A summary of the relevant permits, licences and/or notifications on environmental protection for the Contracts is presented in **Table 2.3**.

Contract No.	Permit / License	Valie	d Period	<u>S4-4</u>		
Contract No.	No.	From	То	Status		
Environmental Permit (I	EP)					
Contract No. YL/2020/01 Contract No. YL/2020/02	EP-477/2013	22/11/2013	N/A	Valid		
Contract No. YL/2021/01	EP-477/2013/A	12/08/2021	N/A	Valid		
Construction Noise Perm	nit (CNP)					
Contract No. YL/2020/01	GW-RN0246-22	26/3/2022	25/6/2022	Valid		
	GW-RN0510-22	27/6/2022	19/12/2022	Valid		
Contract No. 1 L/2020/02	GW-RN0534-22	30/6/2022	29/9/2022	Valid		
Notification pursuant to	Air Pollution Contro	l (Construction	Dust) Regulation			
Contract No. YL/2020/01	469726	21/07/2021	Till the Contract ends	Receipt acknowledged by EPD		
Contract No. YL/2020/02	471916	20/09/2021	Till the Contract ends	Receipt acknowledged by EPD		
Contract No. YL/2021/01	479880	17/5/2022	Till the Contract ends	Receipt acknowledged by EPD		
Billing Account for Disposal of Construction Waste						
Contract No. YL/2020/01	7041333	27/07/2021	Till the Contract ends	Valid		
Contract No. YL/2020/02	7041861	15/10/2021	Till the Contract ends	Valid		

#### Table 2.3Status of Environmental Licences, Notifications and Permits

Contract No.	Permit / License	Valio	l Period	Status
Contract No.	No.	From	То	Status
Contract No. YL/2021/01	7043434	22/05/2022	Till the Contract ends	Valid
Registration of Chemica	l Waste Producer			
Contract No. YL/2020/01	WPN 5213-620- C4632-01	20/08/2021	Till the Contract ends	Valid
Contract No. YL/2020/02	WPN 5213-542- C1232-24	29/11/2021	Till the Contract ends	Valid
Contract No. YL/2021/01	WPN 5213-542- P3483-01	21/04/2022	Till the Contract ends	Valid
Effluent Discharge Licer	ise under Water Polli	ition Control O	rdinance	
Contract No. YL/2020/01	WT00039466-2021	22/12/2021	31/12/2026	Valid
Contract No. YL/2020/02				Pending approval (Ref. no. 473875)
Contract No. YL/2021/01				Pending approval (Ref. no. 477720)

### Summary of EM&A Requirements

- 2.14 The EM&A programme requires construction noise monitoring, air quality monitoring, water quality monitoring, ecological monitoring and environmental site audits. The EM&A requirements are described in the following sections, including:
  - All monitoring parameters;
  - Action and Limit levels for all environmental parameters;
  - Event / Action Plans;
  - Environmental mitigation measures, as recommended in the Project EIA study final report; and
  - Environmental requirements in contract documents.

## **3** ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENT

### Monitoring Parameters and Monitoring Locations

#### Air Quality Monitoring

3.1 In accordance with the EM&A Manual, impact 1-hour and 24-hour TSP monitoring was conducted to monitor the air quality for the Project. The locations of monitoring stations are shown in **Figure 2**. **Table 3.1** describes the locations of the air quality monitoring stations.

Table 3.1	Location	of Air	Quality	Monitoring	<b>Stations</b>
				· · · <b>.</b>	

Tuble 5.1 Elocation of All Quality Monitoring Stations			
Monitoring Station	Location		
DMS-1a (see Note 1)	Village House along Ha Wan Tsuen East Road		
DMS-2A (see Note 2)	Village House along Lok Ma Chau Road		
DMS-3	Village House along Old Border Road		
DMS-4A (see Note 3)	Hong Kong Police Force, Lok Ma Chau Operation Base		
	at Horn Hill		

Notes:

- 1. In view of the disturbance concerned by the villagers near the original air quality monitoring location DMS-1, an alternative location (DMS-1a) was proposed which was verified by IEC and agreed by EPD.
- 2. Monitoring at DMS-2 (originally proposed in the approved EM&A Manual) was denied during the baseline monitoring. An alternative location (DMS-2A) was proposed, verified by IEC and agreed by EPD.
- Proposed replacement monitoring location for Air Sensitive Receiver (ASR) MTL-20 Village house in Ma Tso Lung (DMS-4A) as no work would be conducted near ASR MTL-20 due to exclusion of the original Eastern Connection Road (ECR) which was verified by IEC and agreed by EPD.
- 3.2 **Table 3.2** summarises the monitoring parameters and frequencies of impact air quality monitoring during the Works Contracts activities.

Table 3.2	Impact Air (	<b>Juality</b>	Monitoring	Parameters,	Frequency	y and Duration
-----------	--------------	----------------	------------	-------------	-----------	----------------

Parameters	Frequency
1-hr TSP	Three times/ 6 days
24-hr TSP	Once per 6 days

Noise Monitoring

3.3 In accordance with the EM&A Manual, construction noise monitoring was conducted to monitor the construction noise arising from the construction activities. The locations of the monitoring stations are shown in **Figure 3**. **Table 3.3** describes the locations of the noise monitoring stations.

Monitoring Station	Location	Measurement
NMS-1	Village house in Ha Wan Tsuen	Façade Measurement
NMS-2	Village house along existing Ha Wan	Free Field
NMS-3	Village house along Old Border Road	Free Field
NMS-4A(see Note 1)	Hong Kong Police Force, Lok Ma Chau	Free Field
	Operation Base at Horn Hill	measurement

Table 3.3Location of Noise Monitoring Stations

Note:

(a) Proposed replacement monitoring location for Noise Sensitive Receiver (NSR) MTL-20 – Village house in Ma Tso Lung (DMS-4A) as no work would be conducted near NSR MTL-20 due to exclusion of the original ECR. 3.4 **Table 3.4** summarises the monitoring parameters and frequencies of construction noise monitoring during the Works Contracts activities.

Monitoring Station	Parameter	Duration	Frequency
NMS-1 NMS-2 NMS-3 NMS-4A	L10(30 min.) dB(A) L90(30 min.) dB(A) Leq(30 min.) dB(A) (as six consecutive Leq, 5min readings)	0700-1900 hrs on normal weekdays	Once per week

Table 3.4Noise Monitoring Parameters, Duration and Frequency

Remarks:

A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ). It is the constant noise level which, under a given situation and time period, contains the same acoustic energy as the actual time-varying noise level.

 $L_{10}$  is the level exceeded for 10% of the time. For 10% of the time, the sound or noise has a sound pressure level above  $L_{10}$ .  $L_{90}$  is the level exceeded for 90% of the time. For 90% of the time, the noise level is above this level.

Water Quality Monitoring

- 3.5 In accordance with the EM&A Manual, impact water quality monitoring was conducted to monitor the water quality for the Project. The locations of the monitoring stations are shown in **Figure 4**. **Table 3.5** describes the locations of the water quality monitoring stations.
- 3.6 Based on the updated construction programme under Contract No. YL/2017/03, the waterbased construction works for temporary vehicular bridge was completed on 7<sup>th</sup> April 2021 and the completion was confirmed by Engineer Representative under Contract No. YL/2017/03 via email dated 15<sup>th</sup> June 2021. The additional monitoring station, BS1, was therefore proposed to be deleted from the water quality monitoring proramme starting from 28<sup>th</sup> June 2021. Other water quality monitoring stations remain unchanged. This Proposal for Update of Water Quality Monitoring Stations was verified by IEC and agreed by EPD via email dated 22<sup>nd</sup> June 2021.

<b>Monitoring Station</b>	Location	Nature of the Location
CS1	Control Station at Old Shenzhen	Control Station at Meander
IS1	Impact Station at Old Shenzhen	Impact Station at Meander
IS2	Impact Station at Old Shenzhen	Impact Station at Meander
IS4	Impact Station at Ping Hang	Reference Station
CS5	Control Station at south of Lung	Control Station for IS6
IS6	Impact Station near Lung Hau	Impact Station
<sup>(1)</sup> BS1	Impact Station at Old Shenzhen	Additional impact station for
	River Meander	temporary vehicular bridge

 Table 3.5
 Location of Water Quality Monitoring Stations

Note:

1. Terminated starting from 28<sup>th</sup> June 2021 according to Proposal for Update of Water Quality Monitoring Stations (approved by EPD on 22<sup>nd</sup> June 2021).

3.7 **Table 3.6** summarises the monitoring parameters, monitoring depths and frequency of the water quality monitoring during the Works Contracts activities.

Table 3.6	Water Quality Monitoring Parameters, Depths and Frequency			
Monitoring Station	Parameter (unit)	Depth	Frequency	
CS1, IS1, IS2, IS4, CS5, IS6, BS1	<ul> <li>Temperature(°C)</li> <li>pH (pH unit)</li> <li>turbidity (NTU)</li> <li>water depth (m)</li> <li>salinity (ppt)</li> <li>DO (mg/L and % of saturation)</li> <li>SS (mg/L)</li> </ul>	<ul> <li>3 water depths: 1m below water surface, mid-depth and 1m above river bed.</li> <li>If the water depth was less than 3m, mid-depth sampling only.</li> <li>If water depth was less than 6m, mid-depth might be omitted.</li> </ul>	• 3 days per week during the construction period of the Contract	

### **Monitoring Methodology and Calibration Details**

3.8 Monitoring works/equipment were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates could be referred to the relevant Monthly EM&A Reports.

#### **Environmental Quality Performance Limits (Action and Limit Levels)**

3.9 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 A**.

#### Landscape and Visual

3.10 Inspection of the implementation of landscape and visual mitigation measures was conducted during weekly site audit. Most of the necessary mitigation measures have been implemented and recommended follow-up actions have been discharged by the Contractors. Details of the audit findings and implementation status are summarised in **Appendix K** and **Appendix J**.

### **Ecology Monitoring**

### <u>LMC Loop</u>

#### Avifauna (Flight Line Survey)

3.11 Avifauna monitoring was carried out on a monthly basis to identify the number and species composition of birds using the flight line and monitor if there was any impact from construction works. The flight line corridor survey work was carried out at the Lok Ma Chau Lookout, according to Section 11.4.1.1 of the EM&A Manual.

#### Mammals

- 3.12 Monitoring of mammals was also required for Eurasian Otter, other mammals and dogs during the site formation and establishment period of Ecological Area, to observe the connectivity between the existing reed marsh and the Ecological Area, and if there was any sign of otter and mammals around the Ecological Area.
- 3.13 The mammals monitoring in the Loop has been temporary suspended since March 2022 and

will be resumed subject to the site condition based on the followings:

- In view of current site condition of Loop, the connectivity between the existing reed marsh and the EA Zone has been fenced off due to other project's land occupier.
- 12-month establishment period of EA zone has also been completed.

Western Connection Road

Avifauna (Flight Line Survey)

3.14 Refer to Section 3.11.

Avifauna (Pond 12)

3.15 Pond 12 avifauna survey was required to be carried out on a weekly basis to identify the number and species composition of birds using Pond 12, according to Section 11.4.2.1 of the EM&A Manual. Location of Pond 12 is shown in **Figure 5a**.

#### Herpetofauna

3.16 Herpetofauna monitoring of the only herpetofauna species of conservation interest in the area around Pond 12, the Chinese Bullfrog, was required to be conducted once monthly during wet season (March to October), including both day-time and night-time survey. The purpose of the survey is to ensure the abundance of the Chinese Bullfrog in the area of Pond 12, LMC Tsuen, and nearby wetlands is not affected by the construction works. The monitoring was conducted according to Section 11.4.2.2 of the EM&A Manual. Location of the Herpetofauna survey transect is shown in **Figure 5b** for reference.

#### Aquatic Fauna

- 3.17 Monthly surveys of the population of Rose Bitterling at streams and associated ponds south of Lung Hau Road, weekly *in-situ* monitoring of water quality and whole site audit were required to ensure the population of Rose Bitterling at the stream and associated ponds south of Lung Hau Road as well as the water quality at the area where Rose Bitterling is present are not affected by construction works. Weekly *in-situ* monitoring of water quality in LMC Meander was also required during the construction phase and the first 12 months of operation. The monitoring was conducted according to Section 11.4.2.3 of the EM&A Manual.
- 3.18 Monitoring of Rose Bitterling and *in-situ* monitoring of water quality were conducted at the stream and associated ponds south of Lok Ma Chau Road where Rose Bitterling is present. There were 4 sampling points along the stream, and 4 sampling points at the ponds. The sampling locations are shown in **Figure 5c**.
- 3.19 *In-situ* monitoring of water quality in LMC Meander was conducted at 3 monitoring stations, including CS1, IS1 and IS2, as stated in Section 6.3 of the EM&A Manual. The monitoring stations are shown in **Figure 4**.
- 3.20 Measurements for *in-situ* monitoring of water quality included temperature, pH, salinity, turbidity and dissolved oxygen. Monitoring works/equipment were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates could be referred to the relevant Monthly EM&A Reports.

### Land Contamination

- 3.21 According to Section 8.2 of EM&A Manual and the details of the remediation and associated testing referred to in Chapter 8 of the EIA Report (AEIAR-176/2013), five (5) arsenic-contaminated zones were identified within the Loop. Based on the Contract requirements, "Solidification / Stabilisation" was the recommended treatment method to remediate all contaminated soils and Portland cement was proposed to be used for the contaminated soil treatment.
- 3.22 Trial of CS/S was undertaken between April and June 2019 and the second trial was conducted in August 2019. According to trial performance results, cement / soil ratios of 10% and 7.5% could achieve the remediation target and these ratios had been adopted for the subsequent remediation work. The proposed cement/soil ratios were accepted by relevant parties before the remediation work started. The contaminated soil excavation and remediation commenced on site in mid-July 2019.
- 3.23 As advised by the Contractor, Decontamination for all hot spots (LD01 LD05) was completed and backfilling of treated soil was completed on 31<sup>st</sup> May 2021. After completion of remediation works at each hot spots, Interim Remediation Reports (IRR) was prepared by the Land Contamination Specialist and submitted to EPD in accordance with Condition 2.16 of the EP-477/2013/A. The status of IRRs is summarised below:
  - (a) IRR for hot spot LD-001 endorsed by EPD on 6<sup>th</sup> January 2020
  - (b) IRR for hot spot LD-003 endorsed by EPD on 18<sup>th</sup> March 2020
  - (c) IRR for hot spot LD-002 commented by EPD on 3<sup>rd</sup> September 2020 and resubmitted by Contractor on 16<sup>th</sup> September 2020
  - (d) IRR for hot spot LD-005 endorsed by EPD on 23<sup>rd</sup> October 2020
  - (e) Final Remediation Report including the result of hotpsot LD-004 was submitted to EPD on 28<sup>th</sup> June 2021. The final Remediation Report was approved by EPD with minor comments in August 2021.
- 3.24 No work related to land contamination was conducted in the reporting quarter.

### Site Audit Summary

3.25 Site audit was carried out on a weekly basis to monitor and audit the timely implementation of proper environmental management practices and mitigation measure of the Project. The observations and recommendations made during the reporting period are summarised in **Appendix K**.

#### **Environmental Mitigation Measures**

3.26 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the Project EM&A Manual for the Contractors to implement. A summary of the Environmental Mitigation Implementation Schedule (EMIS) is given in **Appendix J**.

### **Status of Waste Management**

3.27 The amount of wastes generated by the major site activities of this Project during the reporting quarter is shown in **Appendix L**.

## 4 MONITORING RESULTS

#### **Monitoring Schedule**

4.1 The environmental monitoring schedules in the reporting quarter are presented in **Appendix O**.

#### Weather Conditions

- 4.2 The details of weather conditions for each individual monitoring session were presented in relevant monthly EM&A reports.
- 4.3 The weather conditions and wind data in the reporting quarter is summarised in **Appendix G**.

#### Air Quality

1-hr and 24-hr TSP Monitoring

- 4.4 All construction air quality monitoring was conducted as scheduled during the reporting quarter.
- 4.5 No Action/Limit Level exceedance was recorded in this reporting quarter. A summary of exceedance is attached in **Appendix I**.
- 4.6 **Table 4.1** and **Table 4.2** summarise the air quality monitoring results which are extracted from the monthly reports for this Project. The graphical presentations of the air quality monitoring results are shown in **Appendix B** and **Appendix C**.

Reporting Months	Air Quality Monitoring Station	Average µg/m <sup>3</sup>	<b>Range</b> µg/m <sup>3</sup>	Action Level µg/m <sup>3</sup>	Limit Level µg/m <sup>3</sup>
	DMS – 1a	95.7	22.8 - 260.1	353	
A  pr  2022	DMS - 2A	115.2	38.3 - 278.7	370	
Api 2022	DMS – 3	88.3	41.3 - 199.0	351	
	DMS-4A	86.6	26.5 - 194.4	350	
	DMS – 1a	52.4	19.8-137.9	353	
May 2022	DMS - 2A	82.5	27.0 - 191.0	370	500
May 2022	DMS – 3	68.7	22.3 - 137.6	351	500
	DMS - 4A	59.6	19.7 – 122.3	350	
Jun 2022	DMS – 1a	58.8	18.4 - 101.6	353	
	DMS - 2A	57.9	35.0 - 86.1	370	
	DMS – 3	49.3	25.1 - 72.3	351	]
	DMS - 4A	53.5	28.7 - 95.6	350	

 Table 4.1
 Summary of 1-hour TSP Monitoring Results in Reporting Quarter

Table 4.2	Summary of 24-hour TSP Monitoring Results in Reporting Quarter					
Reporting	Monitoring	Average	Range	Action Level	Limit Level	
Months	Station	μg/m <sup>3</sup>	$\mu g/m^3$	μg/m <sup>3</sup>	$\mu g/m^3$	
	DMS – 1a	67.2	34.5 - 121.0	184		
Apr 2022	DMS - 2A	84.3	48.5 - 119.5	166		
Apr 2022	DMS – 3	41.3	26.1 - 77.5	166		
	DMS-4A	71.0	34.9 - 146.6	152		
	DMS – 1a	69.2	29.6 - 119.3	184		
May 2022	DMS – 2A	56.3	25.9 - 98.6	166	260	
Way 2022	DMS – 3	35.9	23.3 - 63.1	166	200	
	DMS - 4A	51.9	28.8 - 91.0	152		
Jun 2022	DMS – 1a	44.5	25.3 - 61.3	184		
	DMS – 2A	43.8	29.1 - 60.2	166		
	DMS - 3	14.1	11.7 - 16.9	166		
	DMS - 4A	28.4	20.9-41.2	152		

### **Construction Noise**

- 4.7 All construction noise monitoring was conducted as scheduled in the reporting quarter.
- No Limit Level exceedance was recorded. A summary of exceedance is attached in Appendix I. 4.8
- 4.9 Table 4.3 summarises the noise monitoring results which were extracted from the monthly reports for this Project. The graphical presentations of the construction noise monitoring results are shown in Appendix D.

Reporting Months	Monitoring Station	Average L <sub>eq (30 min)</sub> , dB(A)	Range L <sub>eq (30 min)</sub> , dB(A)	Action Level	Limit Level, dB(A)
	NMS-1	60.6	53.7 - 62.2		
Apr 2022	NMS-2	68.1	65.7 – 71.1		
Apr 2022	NMS-3	55.2	49.0 - 57.0		
	NMS-4A	51.4	46.1 - 52.7		
	NMS-1	60.4	51.2 - 64.8	When one	
May 2022	NMS-2	68.4	66.2 - 70.0	documented complaint is	75.0
May 2022	NMS-3	57.7	51.8 - 61.3		
	NMS-4A	55.3	49.0 - 60.2	received	
Jun 2022	NMS-1	63.2	54.1 - 69.0		
	NMS-2	68.9	65.2 - 71.9		
	NMS-3	60.4	54.1 - 63.7		
	NMS-4A	57.3	54.2 - 60.7		

Table 4.3 Summary of Noise Monitoring Results in Reporting Quarter

Remark: +3dB(A) façade correction included

If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

### Water Quality

- 4.10 All water quality monitoring was conducted as scheduled in the reporting quarter except at monitoring station IS6 as the channel was dry on the scheduled dates in the reporting quarter.
- 4.11 No Action/Limit Level exceedance was recorded. A summary of exceedance is attached in Appendix I.
- 4.12 **Table 4.4** summarises the water quality monitoring results which were extracted from the monthly reports for this Project. The graphical presentations of the water quality monitoring results are shown in **Appendix E**.

Reporting	Monitoring	Average	Range	Action Level	Limit Level		
Months	Station	(Depth average)					
DO (mg/L)	DO (mg/L)						
	IS1	8.1	7.2 - 12.3	7.0 / NA <sup>(4)</sup>	$6.8 \text{ or } 4^{(4)}$		
Apr 2022	IS2	6.7	5.5 - 9.2	5.3 / NA <sup>(4)</sup>	$5.2 \text{ or } 4^{(4)}$		
	IS4	4.4	4.2 - 4.8	<u>4.1 / NA<sup>(4)</sup></u>	$3.8 \text{ or } 4^{(4)}$		
	IS1	6.7	4.5 - 9.3	<u>7.0 / NA<sup>(4)</sup></u>	$6.8 \text{ or } 4^{(4)}$		
May 2022	IS2	6.5	4.5 - 7.9	<u>5.3 / NA<sup>(4)</sup></u>	$5.2 \text{ or } 4^{(4)}$		
	IS4	5.1	4.2 - 7.2	<u>4.1 / NA<sup>(4)</sup></u>	$3.8 \text{ or } 4^{(4)}$		
	IS1	5.9	4.7 - 7.3	<u>7.0 / NA<sup>(4)</sup></u>	<u>6.8 or <math>4^{(4)}</math></u>		
Jun 2022	IS2	6.3	4.2 - 7.3	<u>5.3 / NA<sup>(4)</sup></u>	$5.2 \text{ or } 4^{(4)}$		
	IS4	5.0	4.1 - 5.9	<u>4.1 / NA<sup>(4)</sup></u>	$3.8 \text{ or } 4^{(4)}$		
Turbidity (N7	ΓU)						
	IS1	16.3	12.9 - 23.7	<u>27.7</u>	<u>29.9</u>		
Apr 2022	IS2	26.1	10.0 - 32.9	<u>35.5</u>	<u>38.1</u>		
	IS4	9.4	4.3 - 28.7	<u>70.9</u>	<u>74.6</u>		
	IS1	12.6	2.8 - 25.7	<u>27.7</u>	<u>29.9</u>		
May 2022	IS2	25.5	10.8 - 34.9	<u>35.5</u>	<u>38.1</u>		
	IS4	8.4	5.1 - 14.3	<u>70.9</u>	<u>74.6</u>		
	IS1	7.3	4.8 - 9.1	<u>27.7</u>	<u>29.9</u>		
Jun 2022	IS2	23.7	13.6 - 33.7	<u>35.5</u>	<u>38.1</u>		
	IS4	7.0	3.6 - 15.3	<u>70.9</u>	<u>74.6</u>		
SS (mg/L)	SS (mg/L)						
	IS1	20.9	13.0 - 27.0	<u>28.0</u>	<u>28.8</u>		
Apr 2022	IS2	30.2	22.0 - 38.5	<u>39.8</u>	<u>41.2</u>		
	IS4	16.4	5.5 - 54.5	<u>155</u>	<u>175</u>		
May 2022	IS1	15.2	3.0 - 25.5	<u>28.0</u>	<u>28.8</u>		
	IS2	27.5	20.5 - 36.0	<u>39.8</u>	<u>41.2</u>		
	IS4	11.1	4.5 - 41.0	<u>155</u>	<u>175</u>		
	IS1	12.3	5.5 - 22.0	<u>28.0</u>	<u>28.8</u>		
Jun 2022	IS2	26.3	15.0 - 37.0	<u>39.8</u>	<u>41.2</u>		
	IS4	7.5	3.5 - 19.0	<u>155</u>	<u>175</u>		

 Table 4.4
 Summary of Water Quality Monitoring Results in Reporting Quarter

Notes:

(1) Depth-averaged was calculated by taking the arithmetic means of reading of all three depths

(2) For DO, non-compliance of the water quality limit would occur when monitoring result at impact stations was lower that the limit.

(3) For SS & turbidity, non-compliance of the water quality limits would occur when monitoring result at impact stations was higher than the limits.

(4) The proposal of adopting 4 mg/L as the Limit Level of DO for the period from April to September due to seasonal change of DO was accepted by EPD via email on 10<sup>th</sup> Dec 2019.

# **Ecological Monitoring**

### <u>LMC Loop</u>

Avifauna (Flight Line Survey)

- 4.13 Monthly flight line survey was conducted by ET as scheduled in the reporting quarter. The flight line survey was carried out on 22<sup>nd</sup> April, 20<sup>th</sup> May and 17<sup>th</sup> June 2022.
- 4.14 **Table 4.5** shows the summary of flight line survey results including the number of birds observed and the number of bird-flights for the species in the reporting quarter.
- 4.15 In the reporting quarter, flight lines were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area (EA) Zone and along Shenzhen River. No significant impact on the flight line was observed in the reporting quarter. Nevertheless, it was observed in the reporting quarter that most birds avoided using the flight line over the centre of LMC Loop which is considered due to the construction activities from other project's land occupier.
- 4.16 The distribution of flight line usage in the reporting quarter is shown in Appendix F.

<i>.</i>	0					
	Apr 2022		May 2022		Jun 2022	
Species	Birds	Bird-	Birds	Bird-	Birds	Bird-
	Observed	mgnus	Observed	mgnus	Observed	mgms
Little Egret 小白鷺	113	1195	250	2502	127	1095
Great Egret 大白鷺	35	377	60	675	25	262
Chinese Pond Heron 池鷺	4	32	6	51	2	16
Grey Heron 蒼鷺	1	10	3	31	3	30
Great Cormorant 普通鸕鷀	12	124	0	0	0	0
Black Kite 黑鳶	2	18	1	6	1	9
Collared Crow 白頸鴉	0	0	1	10	1	33
Total	167	1756	321	3275	159	1445

 Table 4.5
 Summary of Flight Line Survey Results in the Reporting Quarter

#### Mammals

- 4.17 The mammals monitoring in the Loop has been temporary suspended since March 2022 and will be resumed subject to the site condition based on the followings:
  - In view of the site condition of the Loop, the connectivity between the existing reed marsh and the EA Zone has been fenced off due to other project's land occupier.
  - 12-month establishment period of EA zone has also been completed.

Western Connection Road

Avifauna (Flight Line Survey)

4.18 Refer to Sections 4.13 to 4.16.

Avifauna (Pond 12)

4.19 Pond 12 avifauna surveys were carried out weekly as scheduled in the reporting quarter starting from March 2022. The date of avifauna survey was shown in Table 4.6.

Table 4.6The Date of Avifauna Survey in the Reporting Quarter

Month	Dates of pond 12 avifauna survey
April	6 <sup>th</sup> , 13 <sup>th</sup> , 20 <sup>th</sup> , 27 <sup>th</sup>
May	4 <sup>th</sup> , 11 <sup>th</sup> , 18 <sup>th</sup> and 25 <sup>th</sup>
June	1 <sup>st</sup> , 8 <sup>th</sup> , 15 <sup>th</sup> , 22 <sup>nd</sup> and 29 <sup>th</sup>

4.20 Table 4.7 shows the monitoring results during construction works as compared against the results before the commencement of works of the day. The monitoring results indicated Pond 12 was utilized by waterbird and wetland-dependent species in the reporting quarter during the monitoring. No significant impact of construction activities on bird use of the pond was observed.

Donout Month	Number o	of Species	Abundance		
Keport Month	Before Construction	During Construction	Before Construction	During Construction	
April 2022	30	49	87	137	
May 2022	27	46	71	130	
June 2022	32	58	75	156	

 Table 4.7
 Summary of Avifauna Monitoring Results at Pond 12

Herpetofauna

- 4.21 Herpetofauna survey was conducted as scheduled in the reporting quarter starting from March 2022. The herpetofauna survey was conducted on 25<sup>th</sup> April, 13<sup>th</sup> May and 9<sup>th</sup> June 2022.
- 4.22 No potential impact due to the construction activities of Western Connection Road was identified during the survey of Chinese Bullfrog in the reporting quarter.

Aquatic Fauna

4.23 Aquatic fauna survey was conducted as scheduled in the reporting. The monthly aquatic fauna survey was carried out on 21<sup>st</sup> April, 24<sup>th</sup> May and 15<sup>th</sup> June 2022 while *in-situ* water monitoring for aquatic fauna at the stream and associated ponds south of Lok Ma Chau Road was shown in Table 4.8.

	Dates of Water Quality Monitoring at the		
Month	Stream and associated ponds south of Lung Hau Road		
April	8 <sup>th</sup> , 13 <sup>th</sup> , 21 <sup>st</sup> and 25 <sup>th</sup>		
May	4 <sup>th</sup> , 12 <sup>th</sup> , 18 <sup>th</sup> , 24 <sup>th</sup> and 30 <sup>th</sup>		
June	10 <sup>th</sup> , 15 <sup>th</sup> , 22 <sup>nd</sup> and 27 <sup>th</sup>		

### **Table 4.8**Date of Water Quality Monitoring for Aquatic Fauna in the Reporting Quarter

- 4.24 No potential impact due to the runoff from the construction activities of the Western Connection Road was identified during the survey of Aquatic Fauna in the reporting quarter. In addition, no Action / Limit Level exceedance was recorded for the *in-situ* water quality monitoring in the report quarter.
- 4.25 Relevant Monthly EM&A Reports could be referred to for the ecological monitoring photo records and results.

# 5 ENVIRONMENTAL SITE INSPECTION

#### Site Audits

5.1 Site audits were carried out by ET on weekly basis in the reporting quarter to monitor the timely implementation of proper environmental management practices and mitigation measures on the project site. No non-conformance was identified and the observation and recommendations made in each individual site audit session in the reporting period are summarised in **Appendix K**.

#### **Implementation Status of Environmental Mitigation Measures**

5.2 According to the EIA Report, Environmental Permit and the EM&A Manual of the Project, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An updated summary of the Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix J**.

#### Solid and Liquid Waste Management Status

- 5.3 In accordance with the EM&A Manual, waste management was audited during weekly site audit to determine if wastes are being managed in accordance with the Waste Management Plan (WMP) prepared for the Project and the relevant legislative and contractual requirements. Waste management practice including waste handling, storage, transportation and disposal were audited.
- 5.4 The Contractors are advised to minimize the wastes generated through the recycling or reusing. All mitigation measures stipulated in the EM&A Manual and waste management plans shall be fully implemented. The status of implementation of waste management and reduction measures are summarised in **Appendix J**.
- 5.5 Waste generated from this Project includes inert C&D materials and non-inert C&D materials. Non-inert C&D materials are made up of general refuse and waste that cannot be reused or recycled and has to be disposed of at the designated landfill sites. The amount of wastes generated by the construction works of the Project during the reporting quarter is shown in **Appendix L**.

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

#### **Summary of Exceedances**

- 6.1 Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed. A summary of exceedance is attached in **Appendix I**.
- 6.2 No exceedance of Action/Limit Level of air quality and water quality was recorded in the reporting quarter.
- 6.3 No exceedance of Limit Level of construction noise was recorded in the reporting quarter.

#### **Summary of Environmental Non-Compliance**

6.4 No environmental non-compliance was recorded in the reporting quarter. The observations and recommendations made in each individual site audit session were presented in **Appendix K**.

#### **Summary of Environmental Complaint**

6.5 There was one (1) environmental complaint received by 1823 on 4<sup>th</sup> April 2022 concerning the muddy surface runoff arising from the construction works of "Development of Lok Ma Chau Loop" project at Lok Ma Chau Road near Ha Wan Tsuen Road. After investigation, there is no direct evidence to demonstrate the muddy discharge was inducted by the Project. The Cumulative Complaint Log since the commencement of the Project is attached in **Appendix M**.

#### Summary of Environmental Summon and Successful Prosecution

6.6 There was no successful environmental prosecution or notification of summons received in the reporting quarter. The Cumulative Log for environmental summon and successful prosecution since the commencement of the Project is presented in **Appendix N**.

### **Event and Action Plan**

6.7 Should any project related non-compliance of the criteria occur, action in accordance with the Action Plan in **Appendix H** shall be carried out.

# 7 FUTURE KEY ISSUES

## Key Issues in the Coming Three Months

7.1 The major construction activities undertaken in the coming three months will include:

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

- (a) Western Connection Road (WCR) Stage 1 Construction: Demolition of Existing Structures, Excavation, DCM and Retaining Wall.
- (b) Wetland Compensation Establishment Works and Ecological Monitoring.
- (c) Pre-drilling for Boc Culvert C and A1.
- (d) Meander Bridge Pre-drilling and Site Formation for Piling Platform.
- (e) Advance Work for Alternative Road along EV Zone (PMI).
- (f) PM Office (MIC) and Contractor Office (subject to release date of Closed-loop Area at Portion 7)

(Note that as the Emergency Hospital and Mobile Cabin Facility has been occupying the site, potential remaining works under Contract 1 is still under discussion. The activities above are tentative.)

Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

- (a) Tree Felling / Tree Transplant.
- (b) Pre-construction Condition Survey inside MTRC tunnel.
- (c) Erection of Contractor's Site Office.
- (d) Pre-drilling and Trial Pits for Bridge ST01, CTFB and DRL.
- (e) Site clearance and GI works for Cut Slopes CS1, CS2 and Retaining wall BPW1, and associated temporary working platform.
- (f) Construction of concrete block piling platform for piling works of Retaining Wall BPW1.
- (g) Erection of Temporary Noise Barrier along the Lok Ma Chau Road.
- (h) Box Culvert Modification at Lok Ma Chau Road (Stage 1).
- Demolition of Existing Structures along Lok Ma Chau Road. Structure Ref. R41, R42 & R50.
- (j) Existing Cycle Track Subway Modification.
- (k) Construction of Pai Lau.
- (l) Bored pile and socketed H-Pile for Bridge CTFB, ST01 & DRL.
- (m) Construction of Retaining walls RW 8 and RW 9.
- (n) Operation of TAR1 and TAR2.

<u>Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2</u>

- (a) Elevated PTI Hoarding erection.
- (b) Elevated PTI UU Diversion.
- (c) Demolition of Existing Structure.
- (d) Paving Works for Stage 2.
- (e) Pre-drilling.

7.2 Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, noise, water quality, waste management and ecology. Relevant Monthly EM&A Reports could be referred to for the proactive Environmental Protection Proforma summarising the major site activities, potential environmental impacts and recommended mitigation measures for the coming months.

## **Monitoring Schedule**

7.3 The environmental monitoring schedules for the next reporting quarter are presented in Appendix O.

### 8 CONCLUSIONS AND RECOMMENDATIONS

#### Conclusions

- 8.1 This Quarterly EM&A Report presents the EM&A work undertaken in April to June 2022 in accordance with EM&A Manual.
- 8.2 Environmental monitoring and audit works were performed in the reporting quarter and all monitoring results were checked and reviewed.

#### Air Quality Monitoring

8.3 All construction air quality monitoring including 1-hour TSP and 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.

### Construction Noise Monitoring

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

#### Water Quality Monitoring

8.5 All water quality monitoring was conducted as scheduled in the reporting quarter except at station IS6 as the channel was dry on the scheduled dates in the reporting quarter. No Action/Limit Level exceedance was recorded.

#### **Ecological Monitoring**

<u>LMC Loop</u>

Avifauna (Flight Line Survey)

- 8.6 Avifauna monitoring was conducted as scheduled in the reporting quarter. Flight lines recorded were in general concentrated mainly on LMC Meander including Ecological Area Zone (EA Zone) and along Shenzhen River.
- 8.7 In the reporting quarter, it was observed that most birds avoided using the flight line over the centre of LMC Loop. This is considered due to the construction activities from other project's land occupier.

### Mammals

- 8.8 The mammals monitoring in the Loop has been temporary suspended since March 2022 and will be resumed subject to the site conditions based on the followings:
  - According the Clause 11.4.1.2 of EM&A Manual, the objective of mammals monitoring is to monitor the connectivity between the existing reed marsh and the EA. In view of current site condition of the Loop, the connectivity between the existing reed marsh and the EA Zone has been fenced off due to other project's land occupier.
  - 12-month establishment period of EA zone has been completed.

### Western Connection Road

Avifauna (Flight Line Survey)

8.9 Avifauna monitoring was conducted as scheduled in the reporting quarter. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. Most birds avoided using the flight line over the centre of LMC Loop which is considered due to the construction activities from other project's land occupier.

Avifauna (Pond 12)

8.10 Avifauna survey at Pond 12 was conducted as scheduled in the reporting quarter. Weekly count of birds using the Pond was recorded. No significant impact of construction activities on bird use of the pond was observed.

#### Herptofauna

8.11 Herptofauna survey was conducted as scheduled in the reporting quarter starting. No significant impact of construction activities on the numbers of this species was observed.

#### Aquatic fauna

8.12 Aquatic fauna survey was conducted as scheduled in the reporting quarter. No significant impact of construction activities on the stream was observed.

#### Land Contamination

- 8.13 Decontamination for five arsenic-contaminated zones (LD01 LD05) identified in LMC Loop was completed and the final Remediation Report was submitted and approved by EPD in accordance with Condition 2.16 of the EP-477/2013/A under Contract No. YL/2017/03.
- 8.14 No work related to land contamination was conducted in the reporting quarter.

#### Environmental Site inspections

8.15 Environmental site inspections were conducted as weekly basis in the reporting quarter. No environmental non-compliance was recorded.

#### Environmental Complaint and Successful Prosecution

- 8.16 One (1) environmental complaint related to water quality was received in the reporting quarter.
- 8.17 No notification of summons or successful prosecutions related to environmental was received in the reporting quarter.

#### Recommendations

8.18 The mitigation measures recommended in the EIA report and EM&A Manual are considered
effective and efficient in minimizing environmental impacts due to construction of the Project during the reporting quarter. The EM&A programme implemented by the ET has effectively monitored the environmental impacts arising from the construction activities and ensure the proper implementation of mitigation measures.

- 8.19 The effectiveness and efficiency of the EM&A programme will be continuously reviewed. The EM&A programme will be improved if deficiencies of the existing EM&A programme are identified.
- 8.20 According to the environmental audits performed in the reporting quarter, the following recommendations were provided to remediate any potential impacts due to the Project:

### Air Quality Impact

- To enhance the dust suppression measures such as water spraying on all haul roads and exposed work site area;
- To maintain the impervious material to cover the stockpile of dusty materials;
- To provide wheel washing facilities at the site exits; and
- To inspect NRMM labels which should be displayed for all regulated machines.

### Construction Noise Impact

- To inspect the noise sources inside the site;
- To space out noisy equipment and position the equipment as far away as possible from sensitive receivers; and
- To provide temporary noise barriers or other appropriate sound reduction measures for operations of noisy equipment near the noise sensitive receivers, if necessary.

### Water Impact

- To prevent any surface runoff discharge into the old Shenzhen River meander or stream;
- To review and implement temporary drainage system;
- To identify any wastewater discharges from site;
- To remove the sand, floating rubbish or dusty material away from the EA zone, old Shenzhen River meander or stream;
- To divert all the water generated from construction site to de-silting facilities with enough handling capacity before discharge;
- To review the capacity of de-silting facilities for discharge;
- To ensure the drainage facilities would not be clogged with sediment to avoid overflow during rainy season;
- To cover the exposed slope surfaces by tarpaulin or other means;
- To designate the area for wheel washing and set up the associated drainage for water from a wheel wash;
- To pave the exit points; and
- To implement the effective water quality mitigation measures according to the site drainage plan

### Ecology Impact

• To maintain the 3m high olive green fence around the construction site; and

- To ensure the powered mechanical equipment for construction works only during the period 9am to 5pm at and near the old Shenzhen River meander and other identified important ecologically sensitive areas, if any; and
- To prevent any surface runoff discharge into the stream.

### Waste/Chemical Management

- To check for any accumulation of waste materials or rubbish on site;
- To carry out inspection of dump trucks at site exit to ensure inert and non-inert C&D materials are properly segregated before delivering off site;
- To avoid any discharge or accidental spillage of chemical waste or oil directly from the site;
- To maintain the drip tray well to prevent oil and chemical leakage; and
- To avoid improper handling, storage and dispose of oil drums or chemical containers on site.

### Landscape and Visual

- To erect and maintain the protection fencing and tree protection zone around the preserved trees; and
- To clear the construction materials within the tree protection zone.

FIGURE(S)





PWP ITEM No. 748CL-DEVELOPMENT OF LOK MA CHAU LOOP : LAND DECONTAMINATION AND ADVANCE ENGINEERING WORKS

## LAYOUT PLAN



# AECOM

DEVELOPMENT OF LOK MA CHAU LOOP MAIN WORKS PACKAGE 1 **DESIGN AND** 



土木工程拓展署 CEDD Civil Engineering and Development Department

AECOM Asia Company Ltd.



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APPENDIX A ACTION AND LIMIT LEVELS

### **Appendix A - Action and Limit Levels**

Location	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
DMS – 1a	353	
DMS – 2A	370	500
DMS-3	351	500
DMS-4A	350	

### Table A-1 Action and Limit Levels for 1-Hour TSP

### Table A-2 Action and Limit Levels for 24-Hour TSP

Location	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
DMS – 1	184	
DMS – 2A	166	2(0
DMS-3	166	260
DMS-4A	152	

### Table A-3 Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A) *

Noted: If works are to be carried during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

(\*) reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

Parameter (unit)	Water Depth	Action Level	Limit Level
		IS1: <u>7.0 / NA<sup>(4)</sup></u>	IS1: <u>6.8 or 4<sup>(4)</sup></u>
		IS2: <u>5.3 / NA<sup>(4)</sup></u>	IS2: <u>5.2 or 4<sup>(4)</sup></u>
DO (mg/L)	Depth average	IS4: <u>4.1 / NA<sup>(4)</sup></u>	IS4: <u>3.8 or 4<sup>(4)</sup></u>
		IS6: <u>5.9</u>	IS6: <u>5.8</u>
		BS1: <u>3.9 / NA<sup>(4)</sup></u>	BS1: <u>3.7 or 4<sup>(4)</sup></u>
		IS1: <u>27.7</u>	IS1: <u>29.9</u>
	Depth average	IS2: <u>35.5</u>	IS2: <u>38.1</u>
Tuchidity (NITLI)		IS4: <u>70.9</u>	IS4: <u>74.6</u>
Turbially (NTO)		BS1: <u>29.9</u>	BS1: <u>32.6</u>
		IS6: 120% of upstream	IS6: 130% of upstream
		control station (CS5)	control station (CS5)
		IS1: <u>28.0</u>	IS1: <u>28.8</u>
		IS2: <u>39.8</u>	IS2: <u>41.2</u>
SS	Douth arrays	IS4: <u>155</u>	IS4: <u>175</u>
(mg/L)	Depth average	BS1: <u>36.5</u>	BS1: <u>36.9</u>
		IS6: 120% of upstream	IS6: 130% of upstream
		control station (CS5)	control station (CS5)

Table A-4Action and Limit Levels for Water Quality

Note:

(1) Depth-averaged was calculated by taking the arithmetic means of reading of all three depths

(2) For DO, non-compliance of the water quality limit would occur when monitoring result at impact stations was lower that the limit.

(3) For SS & turbidity, non-compliance of the water quality limits would occur when monitoring result at impact stations was higher than the limits.

(4) The proposal of adopting 4 mg/L as the Limit Level of DO for the period from April to September due to seasonal change of DO was accepted by EPD via email on 10 Dec 2019.

APPENDIX B GRAPHICAL PRESENTATION OF 1-HOUR TSP MONITORING RESULTS





APPENDIX C GRAPHICAL PRESENTATION OF 24-HOUR TSP MONITORING RESULTS





APPENDIX D GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS





APPENDIX E GRAPHICAL PRESENTATION OF WATER QUALITY MONITORING RESULTS





Title	Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 - Environmental Team	Scale	N.T.S	Project No.	WMA21009	WELLAB 匯力
	Graphical Presentation of Water Quality Monitoring Results	Date	Jun 22	Append	lix E	consulting . testing . research





Title	Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 - Environmental Team	Scale	N.T.S	Project No.	WMA21009	WFIIAR匯力
	Graphical Presentation of Water Quality Monitoring Results	Date	Jun 22	Append	lix E	consulting . testing . research





Title	Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 - Environmental Team	Scale	N.T.S	Project No.	WMA21009	WELLAB 匯力
	Graphical Presentation of Water Quality Monitoring Results	Date	Jun 22	Append	lix E	consulting . testing . research

APPENDIX F DISTRIBUTION OF FLIGHT LINE USAGE







APPENDIX G WEATHER CONDITION

### APPENDIX G – GENERAL WEATHER CONDITIONS DURING THE MONITORING PERIOD

Date	Date   Mean Air Temperature (°C)		Precipitation (mm)
1 April 2022	19	83	0.5
2 April 2022	15	76	1.3
3 April 2022	18.7	54	-
4 April 2022	20.1	53	-
5 April 2022	21.3	64	-
6 April 2022	22.3	70	-
7 April 2022	22.8	68	-
8 April 2022	23.6	50	-
9 April 2022	23.1	65	-
10 April 2022	23.8	67	-
11 April 2022	25.5	74	-
12 April 2022	25.7	77	-
13 April 2022	25.3	81	Trace
14 April 2022	25.5	69	-
15 April 2022	24.3	69	Trace
16 April 2022	21.8	73	Trace
17 April 2022	21.4	72	0.4
Date	Mean Air Temperature (°C)	Mean Relative Humidity (%)	Precipitation (mm)
---------------	---------------------------	-------------------------------	-----------------------
18 April 2022	21.7	76	Trace
19 April 2022	20.1	83	0.8
20 April 2022	21.9	75	-
21 April 2022	23.9	78	-
22 April 2022	24.8	84	-
23 April 2022	26.4	81	Trace
24 April 2022	27.2	79	-
25 April 2022	27.9	79	-
26 April 2022	27.7	80	-
27 April 2022	28.4	78	-
28 April 2022	28.4	79	-
29 April 2022	28.2	79	-
30 April 2022	25.4	85	0.5

\* The above information was extracted from the daily weather summary by Hong Kong Observatory.

### APPENDIX G – GENERAL WEATHER CONDITIONS DURING THE MONITORING PERIOD

Date	Mean Air Temperature (°C)	Mean Relative Humidity (%)	Precipitation (mm)
1 May 2022	20.7	89	32.4
2 May 2022	18.5	84	23.4
3 May 2022	22.3	62	-
4 May 2022	24.6	63	-
5 May 2022	25.2	73	-
6 May 2022	25.5	76	-
7 May 2022	25.4	77	0.8
8 May 2022	25	70	Trace
9 May 2022	25.6	75	Trace
10 May 2022	25.7	88	1.4
11 May 2022	25	95	61.4
12 May 2022	25.8	91	123.5
13 May 2022	25.5	92	107.1
14 May 2022	24.6	93	5
15 May 2022	22.6	91	26.2
16 May 2022	20	85	4.7
17 May 2022	22.4	72	-

Date	Mean Air Temperature (°C)	Mean Relative	Precipitation (mm)
18 May 2022	23.9	52	-
19 May 2022	25.8	64	-
20 May 2022	26.9	76	-
21 May 2022	26.9	78	-
22 May 2022	25	83	0.6
23 May 2022	24	90	11.2
24 May 2022	24.4	93	10.3
25 May 2022	25.3	91	1.3
26 May 2022	26.7	88	2.4
27 May 2022	27.4	89	24.7
28 May 2022	28.7	81	Trace
29 May 2022	29.1	79	Trace
30 May 2022	29.2	78	Trace
31 May 2022	28.2	82	0.1

\* The above information was extracted from the daily weather summary by Hong Kong Observatory.

### APPENDIX G – GENERAL WEATHER CONDITIONS DURING THE MONITORING PERIOD

Date	Mean Air Temperature (°C)	Mean Relative Humidity (%)	Precipitation (mm)
1 June 2022	28.7	81	1.2
2 June 2022	28.8	80	11.9
3 June 2022	29.2	81	1.6
4 June 2022	29.6	78	Trace
5 June 2022	29.6	78	Trace
6 June 2022	28.9	83	2.5
7 June 2022	27.4	86	33.8
8 June 2022	25.8	93	66
9 June 2022	26.3	90	28.7
10 June 2022	26.1	92	25.8
11 June 2022	26.8	89	47.5
12 June 2022	28.4	84	2.6
13 June 2022	28.9	80	-
14 June 2022	27.4	87	42.8
15 June 2022	26.7	88	11
16 June 2022	27.6	84	2.6
17 June 2022	29	79	1

Date	Mean Air Temperature (°C)	Mean Relative Humidity (%)	Precipitation (mm)
18 June 2022	28.8	81	1.3
19 June 2022	29.3	81	0.1
20 June 2022	29.2	80	2.8
21 June 2022	29.4	80	Trace
22 June 2022	29.5	78	-
23 June 2022	30	74	-
24 June 2022	30	73	-
25 June 2022	29.6	74	-
26 June 2022	30	74	0.3
27 June 2022	30.1	73	0.1
28 June 2022	30.6	71	-
29 June 2022	30.2	78	0.7
30 June 2022	27.5	89	64.9

\* The above information was extracted from the daily weather summary by Hong Kong Observatory.

Date	Time	Wind Speed m/s	Direction
1-Apr-2022	0:00	0.4	SSW
1-Apr-2022	1:00	0.4	SSW
1-Apr-2022	2:00	0.4	SSW
1-Apr-2022	3:00	0.9	SSW
1-Apr-2022	4:00	0.4	SW
1-Apr-2022	5:00	0.9	SSW
1-Apr-2022	6:00	0.4	SSW
1-Apr-2022	7:00	0.9	SW
1-Apr-2022	8:00	0.9	SW
1-Apr-2022	9:00	0.0	SSW
1-Δpr-2022	10:00	0.0	85W
1-Apr-2022	11:00	0.9	000 SSW/
1-Apr-2022	12:00	0.0	000 SSW
1 Apr 2022	12:00	0.4	90W
1 Apr 2022	14:00	0.4	
1-Apr-2022	14.00	0.4	
1-Apr-2022	15.00	0.9	
1-Apr-2022	10:00	0.9	55W
1-Apr-2022	17:00	1.3	<u>55</u> W
1-Apr-2022	18:00	0.9	55W
1-Apr-2022	19:00	0.9	SSW
1-Apr-2022	20:00	1.3	SSW
1-Apr-2022	21:00	0.9	SSW
1-Apr-2022	22:00	0.4	SSW
1-Apr-2022	23:00	0.4	SSW
2-Apr-2022	0:00	0.4	SSW
2-Apr-2022	1:00	0.0	SSW
2-Apr-2022	2:00	0.4	SSW
2-Apr-2022	3:00	0.4	SSW
2-Apr-2022	4:00	0.4	SSW
2-Apr-2022	5:00	0.4	SSW
2-Apr-2022	6:00	0.4	SSW
2-Apr-2022	7:00	0.4	SSW
2-Apr-2022	8:00	0.0	SSW
2-Apr-2022	9:00	0.0	SSE
2-Apr-2022	10:00	0.0	SSE
2-Apr-2022	11:00	0.4	SSW
2-Apr-2022	12:00	0.9	SSW
2-Apr-2022	13:00	0.9	SSW
2-Apr-2022	14:00	0.9	SSW
2-Apr-2022	15:00	1.3	SSW
2-Apr-2022	16:00	0.4	SSW
2-Apr-2022	17:00	0.0	SSE
2-Apr-2022	18:00	0.4	SSE
2-Apr-2022	19:00	0.0	SSW
2-Apr-2022	20:00	0.0	S
2-Apr-2022	21:00	0.0	SSW
2-Apr-2022	22:00	0.4	SSW
2-Apr-2022	23:00	0.0	SSW
3-Apr-2022	0:00	0.0	
3-Apr-2022	1:00	0.0	SSW
3-Apr-2022	2:00	0.0	SSW
3-Apr-2022	3:00	0.4	SSW
3-Apr-2022	4:00	0.4	SSW
3-Apr-2022	5:00	0.4	SSW
3-Apr-2022	6:00	0.4	SSW
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3-Apr-2022         7:00         0.4         SSW           3-Apr-2022         8:00         0.4         SSW           3-Apr-2022         10:00         0.9         SSW           3-Apr-2022         11:00         0.4         SSW           3-Apr-2022         12:00         0.4         SSW           3-Apr-2022         12:00         0.4         SSW           3-Apr-2022         13:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSW           3-Apr-2022         17:00         0.4         SSW           3-Apr-2022         19:00         0.9         W           3-Apr-2022         19:00         0.9         W           3-Apr-2022         20:00         0.0         SSW           3-Apr-2022         20:00         0.0         SSW           3-Apr-2022         20:00         0.0         SSW           4-Apr-2022         1:00         0.4         SSW           4-Apr-2022         1:00         0.4         SSW           4-Apr-2022 <th>Date</th> <th>Time</th> <th>Wind Speed m/s</th> <th>Direction</th>	Date	Time	Wind Speed m/s	Direction
3-Apr-2022         8:00         0.4         SSW           3-Apr-2022         9:00         0.4         SSW           3-Apr-2022         10:00         0.9         SSW           3-Apr-2022         11:00         0.4         SSW           3-Apr-2022         13:00         0.4         SSW           3-Apr-2022         14:00         0.4         SSW           3-Apr-2022         16:00         0.9         SSW           3-Apr-2022         19:00         0.9         W           3-Apr-2022         20:00         0.0         SSW           3-Apr-2022         20:00         0.0         SSW           3-Apr-2022         20:00         0.0         SSW           4-Apr-2022         0:00         0.0         SSW           4-Apr-2022         1:00         0.4         SSW           4-Apr-2022 <td>3-Apr-2022</td> <td>7:00</td> <td>0.4</td> <td>SSW</td>	3-Apr-2022	7:00	0.4	SSW
3-Apr-2022         9:00         0.4         SSW           3-Apr-2022         10:00         0.9         SSW           3-Apr-2022         12:00         0.4         SSW           3-Apr-2022         13:00         0.4         SSW           3-Apr-2022         13:00         0.4         SSW           3-Apr-2022         14:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSW           3-Apr-2022         16:00         0.4         SSE           3-Apr-2022         19:00         0.9         W           3-Apr-2022         19:00         0.9         W           3-Apr-2022         20:00         0.0         SSW           3-Apr-2022         20:00         0.0         WSW           3-Apr-2022         20:00         0.0         SSW           4-Apr-2022         10:00         0.4         SSW           4-Apr-2022         10:00         0.4         SSW           4-Apr-2022         10:00         0.0         SSW           4-Apr-2022         10:00         0.4         SSW           4-Apr-2022 </td <td>3-Apr-2022</td> <td>8:00</td> <td>0.4</td> <td>SSW</td>	3-Apr-2022	8:00	0.4	SSW
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4-Apr-2022         18:00         0.4         NE           4-Apr-2022         19:00         0.4         WSW           4-Apr-2022         20:00         0.0         SW           4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         8:00         0.0         SW           5-Apr-2022	4-Apr-2022	17:00	0.4	W
4-Apr-2022         19:00         0.4         WSW           4-Apr-2022         20:00         0.0         SW           4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           4-Apr-2022         0:00         0.4         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0         SE           5-Apr-2022	4-Apr-2022	18:00	0.4	NE
4-Apr-2022         20:00         0.0         SW           4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0         SSE           5-Apr-2022	4-Apr-2022	19:00	0.4	WSW
4-Apr-2022         21:00         0.4         WSW           4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         9:00         0.0         SW           5-Apr-2022         9:00         0.0         SE           5-Apr-2022         10:00         0.0         SSE           5-Apr-2022 <td< td=""><td>4-Apr-2022</td><td>20:00</td><td>0.0</td><td>SW</td></td<>	4-Apr-2022	20:00	0.0	SW
4-Apr-2022         22:00         0.0         WSW           4-Apr-2022         23:00         0.0         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	4-Apr-2022	21:00	0.4	WSW
4-Apr-2022         23:00         0.0         WSW           5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	4-Apr-2022	22:00	0.0	WSW
5-Apr-2022         0:00         0.4         WSW           5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	4-Apr-2022	23:00	0.0	WSW
5-Apr-2022         1:00         0.4         SSW           5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	0:00	0.4	WSW
5-Apr-2022         2:00         0.0         SSW           5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0         SE           5-Apr-2022         10:00         0.0         SSE	5-Apr-2022	1:00	0.4	SSW
5-Apr-2022         3:00         0.0         SSW           5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0         SE           5-Apr-2022         10:00         0.0         SSE	5-Apr-2022	2:00	0.0	SSW
5-Apr-2022         4:00         0.0         SW           5-Apr-2022         5:00         0.0         SSW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         9:00         0.0         SSE           5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	3:00	0.0	SSW
5-Apr-2022         5:00         0.0         SSW           5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0         SW           5-Apr-2022         9:00         0.0         SW           5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	4:00	0.0	SW
5-Apr-2022         6:00         0.0         SW           5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	5:00	0.0	SSW
5-Apr-2022         7:00         0.0            5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	6:00	0.0	SW
5-Apr-2022         8:00         0.0         SW           5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	7:00	0.0	
5-Apr-2022         9:00         0.0            5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	8:00	0.0	SW
5-Apr-2022         10:00         0.0         SSE           5-Apr-2022         11:00         0.0         SSE	5-Apr-2022	9:00	0.0	
5-Apr-2022 11:00 0.0 SSE	5-Apr-2022	10:00	0.0	SSE
	5-Apr-2022	11:00	0.0	SSE
5-Apr-2022 12:00 0.0 SSW	5-Apr-2022	12:00	0.0	SSW
5-Apr-2022 13:00 0.0 SSW	5-Apr-2022	13:00	0.0	SSW

Date	Time	Wind Speed m/s	Direction
5-Apr-2022	14:00	0.0	SSE
5-Apr-2022	15:00	0.0	WSW
5-Apr-2022	16:00	0.9	NE
5-Apr-2022	17:00	1.8	NE
5-Apr-2022	18:00	1.3	NE
5-Apr-2022	19:00	0.4	NE
5-Apr-2022	20:00	0.0	W
5-Apr-2022	21:00	0.9	W
5-Apr-2022	22:00	0.9	WSW
5-Apr-2022	23:00	0.4	WSW
6-Apr-2022	0.00	0.4	SSW
6-Apr-2022	1:00	0.0	SSW
6-Apr-2022	2:00	0.0	
6-Apr-2022	3:00	0.0	
6-Apr-2022	4.00	0.0	WSW
6-Apr-2022	5:00	0.0	WSW
6-Apr-2022	6:00	0.0	
6-Apr-2022	7:00	0.0	 \\\/
6-Apr-2022	8.00	0.4	۷۷ ۱۸/۹/۸/
6-Apr-2022	0.00	0.0	 \\/
6 Apr 2022	9.00	0.0	۷۷ ۱۸/
6 Apr 2022	10.00	0.0	VV 201/
6 Apr 2022	12:00	0.0	
6-Apr-2022	12:00	0.0	55W
6-Apr-2022	13:00	0.0	VV SVV
6-Apr-2022	14:00	0.0	55W
6-Apr-2022	15:00	0.4	5500
6-Apr-2022	16:00	0.4	VV SVV
6-Apr-2022	17:00	0.4	SSW
6-Apr-2022	18:00	0.9	SW
6-Apr-2022	19:00	0.9	SW
6-Apr-2022	20:00	0.9	SSW
6-Apr-2022	21:00	0.4	SSW
6-Apr-2022	22:00	0.0	SSW
6-Apr-2022	23:00	0.4	SSW
7-Apr-2022	0:00	0.0	SSW
7-Apr-2022	1:00	0.0	SSW
7-Apr-2022	2:00	0.0	SSW
7-Apr-2022	3:00	0.0	SSW
7-Apr-2022	4:00	0.0	SSW
7-Apr-2022	5:00	0.0	
7-Apr-2022	6:00	0.0	
7-Apr-2022	7:00	0.0	
7-Apr-2022	8:00	0.0	WSW
7-Apr-2022	9:00	0.0	WSW
7-Apr-2022	10:00	0.0	WSW
7-Apr-2022	11:00	0.0	SSW
7-Apr-2022	12:00	0.0	SSW
7-Apr-2022	13:00	0.0	SSW
7-Apr-2022	14:00	0.0	SSW
7-Apr-2022	15:00	0.0	SSE
7-Apr-2022	16:00	0.4	NE
7-Apr-2022	17:00	0.4	NE
7-Apr-2022	18:00	0.4	WSW
7-Apr-2022	19:00	0.9	SW
7-Apr-2022	20:00	0.4	WSW

Date	Time	Wind Speed m/s	Direction
7-Apr-2022	21:00	0.0	SSW
7-Apr-2022	22:00	0.9	SSW
7-Apr-2022	23:00	0.4	SW
8-Apr-2022	0:00	0.0	SSW
8-Apr-2022	1:00	0.0	SSW
8-Apr-2022	2:00	0.0	SSW
8-Apr-2022	3:00	0.4	SSW
8-Apr-2022	4:00	0.0	SW
8-Apr-2022	5:00	0.0	SSW
8-Apr-2022	6:00	0.0	
8-Apr-2022	7:00	0.0	SSW
8-Apr-2022	8:00	0.0	SSW
8-Apr-2022	9:00	0.0	WSW
8-Apr-2022	10:00	0.0	SW
8-Apr-2022	11:00	0.0	S
8-Apr-2022	12:00	0.0	SSE
8-Apr-2022	13:00	0.4	SSE
8-Apr-2022	14:00	0.4	SSW
8-Apr-2022	15:00	0.0	SW
8-Apr-2022	16:00	0.4	NE
8-Apr-2022	17:00	2.2	NE
8-Apr-2022	18:00	1.3	NE
8-Apr-2022	19:00	0.4	SSW
8-Apr-2022	20:00	0.9	WNW
8-Apr-2022	21:00	0.4	SW
8-Apr-2022	22:00	0.0	SSW
8-Apr-2022	23:00	0.0	W
9-Apr-2022	0:00	0.9	SSW
9-Apr-2022	1:00	1.3	SSW
9-Apr-2022	2:00	0.4	SW
9-Apr-2022	3:00	0.4	SSW
9-Apr-2022	4:00	0.9	SSW
9-Apr-2022	5:00	0.9	SSW
9-Apr-2022	6:00	0.9	SSW
9-Apr-2022	7:00	0.4	SSW
9-Apr-2022	8:00	0.0	SW
9-Apr-2022	9:00	0.4	SSW
9-Apr-2022	10:00	0.0	SSW
9-Apr-2022	11:00	0.4	WSW
9-Apr-2022	12:00	0.4	SSW
9-Apr-2022	13:00	0.4	SW
9-Apr-2022	14:00	0.4	SSW
9-Apr-2022	15:00	0.4	WSW
9-Apr-2022	16:00	0.9	NE
9-Apr-2022	17:00	1.3	NE
9-Apr-2022	18:00	0.9	NE
9-Apr-2022	19:00	0.4	NE
9-Apr-2022	20:00	0.0	SSW
9-Apr-2022	21:00	0.0	SSW
9-Apr-2022	22:00	0.4	WSW
9-Apr-2022	23:00	0.9	W
10-Apr-2022	0:00	0.0	WSW
10-Apr-2022	1:00	0.0	
10-Apr-2022	2:00	0.0	WSW
10-Apr-2022	3:00	0.0	SSW

Date	Time	Wind Speed m/s	Direction
10-Apr-2022	4:00	0.0	SSW
10-Apr-2022	5:00	0.0	
10-Apr-2022	6:00	0.0	WSW
10-Apr-2022	7:00	0.0	
10-Apr-2022	8:00	0.0	WSW
10-Apr-2022	9:00	0.0	SSW
10-Apr-2022	10:00	0.4	WSW
10-Apr-2022	11:00	0.0	SSW
10-Apr-2022	12:00	0.4	WSW
10-Apr-2022	13:00	0.4	NW
10-Apr-2022	14:00	0.4	SSW
10-Apr-2022	15:00	0.4	SSW
10-Apr-2022	16:00	0.4	SW
10-Apr-2022	17:00	0.4	W
10-Apr-2022	18:00	0.4	W
10-Apr-2022	19:00	0.4	W
10-Apr-2022	20:00	0.0	WSW
10-Apr-2022	21:00	0.0	WSW
10-Apr-2022	22:00	0.0	WSW
10-Apr-2022	23:00	0.0	SSW
11-Apr-2022	0:00	0.4	WSW
11-Apr-2022	1:00	0.0	SSW
11-Apr-2022	2:00	0.0	
11-Apr-2022	3:00	0.0	
11-Apr-2022	4:00	0.0	
11-Apr-2022	5:00	0.0	
11-Apr-2022	6:00	0.0	WNW
11-Apr-2022	7:00	0.0	WNW
11-Apr-2022	8:00	0.0	
11-Apr-2022	9:00	0.4	W
11-Apr-2022	10:00	0.0	
11-Apr-2022	11:00	0.0	SSW
11-Apr-2022	12:00	0.0	ENE
11-Apr-2022	13:00	0.0	ENE
11-Apr-2022	14:00	0.0	NE
11-Apr-2022	15:00	0.9	NE
11-Apr-2022	16:00	0.9	NE
11-Apr-2022	17:00	0.4	NE
11-Apr-2022	18:00	0.4	NE
11-Apr-2022	19:00	0.4	NE
11-Apr-2022	20:00	0.0	WSW
11-Apr-2022	21:00	0.0	W
11-Apr-2022	22:00	0.0	WSW
11-Apr-2022	23:00	0.0	
12-Apr-2022	0:00	0.0	
12-Apr-2022	1:00	0.0	SW
12-Apr-2022	2:00	0.0	WSW
12-Apr-2022	3:00	0.0	
12-Apr-2022	4:00	0.0	WSW
12-Apr-2022	5:00	0.0	WSW
12-Apr-2022	6:00	0.0	W
12-Apr-2022	7:00	0.0	W
12-Apr-2022	8:00	0.0	
12-Apr-2022	9:00	0.0	WSW
12-Apr-2022	10:00	0.0	SSE

Date	Time	Wind Speed m/s	Direction
12-Apr-2022	11:00	0.0	SSE
12-Apr-2022	12:00	0.0	S
12-Apr-2022	13:00	0.0	NE
12-Apr-2022	14:00	0.4	NE
12-Apr-2022	15:00	0.9	NE
12-Apr-2022	16:00	0.9	NE
12-Apr-2022	17:00	0.0	NE
12-Apr-2022	18:00	0.0	W
12-Apr-2022	19:00	0.0	SW
12-Apr-2022	20:00	0.0	SW
12-Apr-2022	21:00	0.0	SW
12-Apr-2022	22:00	0.0	
12-Apr-2022	23:00	0.0	
13-Apr-2022	0:00	0.0	
13-Apr-2022	1:00	0.0	WSW
13-Apr-2022	2:00	0.0	WSW
13-Apr-2022	3:00	0.0	
13-Apr-2022	4.00	0.0	W
13-Apr-2022	5:00	0.0	WSW
13-Apr-2022	6:00	0.0	W
13-Apr-2022	7:00	0.0	
13-Apr-2022	8:00	0.0	W
13-Apr-2022	0:00 9:00	0.0	
13-Apr-2022	10:00	0.0	NE
13-Apr-2022	11:00	0.0	NE
13-Apr-2022	12:00	0.0	NE
13-Apr-2022	12:00	0.0	
13-Apr-2022	14:00	0.4	NE
13-Apt-2022	14.00	0.9	
13-Apr-2022	16:00	0.4	
13-Apr-2022	17:00	0.9	
13-Apr-2022	18:00	0.4	NE
13-Apr-2022	10:00	0.4	NE
13-Apr-2022	20:00	0.0	
13 Apr 2022	20.00	0.0	
13-Apr-2022	21.00	0.0	
13-Apr-2022	22:00	0.0	
13-Apt-2022	23.00	0.0	
14-Apr-2022	1.00	0.0	<u>ر</u>
14-Apr-2022	2.00	0.0	<u>۱۸/۹/۸/</u>
14-Apr 2022	2.00	0.0	00300
14-Apr-2022	4:00	0.0	
14-Apr-2022	4.00 5.00	0.0	 QE
14-Apr 2022	5.00 6.00	0.0	
14-Apr 2022	7.00	0.0	00E
14-Apr-2022	<i>1.</i> 00	0.0	<u>۲</u>
14-Apr-2022	0.00	0.0	00W
14-Apr-2022	9.00	0.0	00W
14-Apr-2022	10.00	0.4	00VV 00W/
14-Apr 2022	11.00	0.9	00W
14-Apr-2022	12:00	0.4	<u> </u>
14-Apr-2022	13.00	0.4	0 00W/
14-Apr-2022	14:00	0.0	33VV
14-Apr-2022	15.00	1.3	
14-Apr 2022	10.00	0.9	
14-Apr-2022	17:00	0.4	SOF

Date	Time	Wind Speed m/s	Direction
14-Apr-2022	18:00	0.0	SSE
14-Apr-2022	19:00	0.0	SSE
14-Apr-2022	20:00	0.0	S
14-Apr-2022	21:00	0.0	SSW
14-Apr-2022	22:00	0.4	WSW
14-Apr-2022	23:00	0.4	WSW
15-Apr-2022	0:00	0.0	SW
15-Apr-2022	1:00	0.4	WSW
15-Apr-2022	2:00	0.9	WSW
15-Apr-2022	3:00	1.3	SSW
15-Apr-2022	4:00	0.9	SSW
15-Apr-2022	5:00	0.9	SSW
15-Apr-2022	6:00	0.4	SSW
15-Apr-2022	7:00	0.4	SSW
15-Apr-2022	8:00	0.4	SSW
15-Apr-2022	9:00	0.9	SSW
15-Apr-2022	10:00	1.3	SSW
15-Apr-2022	11:00	0.9	WSW
15-Apr-2022	12:00	1.3	SSW
15-Apr-2022	13:00	1.3	SSW
15-Apr-2022	14.00	1.3	WNW
15-Apr-2022	15:00	1.3	SW
15-Apr-2022	16:00	1.3	WSW
15-Apr-2022	17:00	1.3	WSW
15-Apr-2022	18:00	0.9	SW
15-Apr-2022	19:00	0.4	WSW
15-Apr-2022	20:00	0.9	SW
15-Apr-2022	21:00	1.3	SSW
15-Apr-2022	22:00	0.9	SSW
15-Apr-2022	23:00	1.8	SSW
16-Apr-2022	0:00	1.3	SW
16-Apr-2022	1:00	1.8	SSW
16-Apr-2022	2:00	2.7	SW
16-Apr-2022	3:00	3.1	SW
16-Apr-2022	4:00	2.2	SSW
16-Apr-2022	5:00	2.2	SW
16-Apr-2022	6:00	2.2	SW
16-Apr-2022	7:00	2.7	SW
16-Apr-2022	8:00	1.8	SW
16-Apr-2022	9:00	1.8	SW
16-Apr-2022	10:00	1.8	SW
16-Apr-2022	11:00	2.7	SSW
16-Apr-2022	12:00	2.2	SW
16-Apr-2022	13:00	1.8	SW
16-Apr-2022	14:00	1.8	SW
16-Apr-2022	15:00	2.2	SW
16-Apr-2022	16:00	1.3	SW
16-Apr-2022	17:00	1.8	SW
16-Apr-2022	18:00	0.4	SSW
16-Apr-2022	19:00	1.3	SSW
16-Apr-2022	20:00	0.9	SSW
16-Apr-2022	21:00	1.8	SSW
16-Apr-2022	22:00	0.9	SSW
16-Apr-2022	23:00	0.9	SSW
17-Apr-2022	0:00	1.3	SW

Date	Time	Wind Speed m/s	Direction
17-Apr-2022	1:00	1.3	SW
17-Apr-2022	2:00	0.4	SW
17-Apr-2022	3:00	0.9	SW
17-Apr-2022	4:00	0.9	SSW
17-Apr-2022	5:00	0.9	SSW
17-Apr-2022	6:00	0.9	SSW
17-Apr-2022	7:00	0.9	SSW
17-Apr-2022	8:00	0.9	SSW
17-Apr-2022	9.00	0.9	SSW
17-Apr-2022	10:00	0.0	SW
17-Apr-2022	11:00	0.4	55W/
17-Apr-2022	12:00	0.9	SW/
17-Apr-2022	12:00	0.5	WSW
17-Apr-2022	14:00	0.9	\$\\/
17-Api-2022	14.00	0.9	5W SSW/
17-Api-2022	15.00	0.9	55W
17-Apt-2022	10.00	0.9	<u> </u>
17-Api-2022	17.00	0.9	
17-Apr-2022	10:00	0.4	33W
17-Apr-2022	19:00	0.4	55W
17-Apr-2022	20:00	0.4	SW
17-Apr-2022	21:00	0.0	SW
17-Apr-2022	22:00	0.0	W
17-Apr-2022	23:00	0.4	SSW
18-Apr-2022	0:00	0.0	SSW
18-Apr-2022	1:00	0.0	SSW
18-Apr-2022	2:00	0.0	SSW
18-Apr-2022	3:00	0.0	SSW
18-Apr-2022	4:00	0.0	SSW
18-Apr-2022	5:00	0.4	SSW
18-Apr-2022	6:00	0.0	SSW
18-Apr-2022	7:00	0.0	SSW
18-Apr-2022	8:00	0.0	SW
18-Apr-2022	9:00	0.0	SSW
18-Apr-2022	10:00	0.0	WSW
18-Apr-2022	11:00	0.0	SW
18-Apr-2022	12:00	0.0	SSW
18-Apr-2022	13:00	0.4	SSW
18-Apr-2022	14:00	0.0	SSW
18-Apr-2022	15:00	0.0	SSW
18-Apr-2022	16:00	0.0	SSE
18-Apr-2022	17:00	0.0	S
18-Apr-2022	18:00	0.0	SSW
18-Apr-2022	19:00	0.4	SSE
18-Apr-2022	20:00	0.4	S
18-Apr-2022	21:00	0.0	SSW
18-Apr-2022	22:00	0.4	SSW
18-Apr-2022	23:00	0.0	SSW
19-Apr-2022	0:00	0.0	SSE
19-Apr-2022	1:00	0.0	SSE
19-Apr-2022	2:00	0.0	SSW
19-Apr-2022	3:00	0.4	SSW
19-Apr-2022	4:00	0.0	SSW
19-Apr-2022	5:00	0.0	SSW
19-Apr-2022	6:00	0.0	SSE
19-Apr-2022	7:00	0.0	SSW

Date	Time	Wind Speed m/s	Direction
19-Apr-2022	8:00	0.0	SSW
19-Apr-2022	9:00	0.0	SSW
19-Apr-2022	10:00	0.0	S
19-Apr-2022	11:00	0.0	SSW
19-Apr-2022	12:00	0.0	SSW
19-Apr-2022	13:00	0.0	SSW
19-Apr-2022	14:00	0.0	SSW
19-Apr-2022	15:00	0.0	SSW
19-Apr-2022	16:00	0.4	SSW
19-Apr-2022	17:00	0.1	SSW
10-Apr-2022	18:00	0.4	85W/
10-Apr-2022	10:00	0.4	85W/
19-Apr-2022	20:00	0.0	WSW
10 Apr 2022	20.00	0.0	SW
19-Apt-2022	21.00	0.0	
19-Api-2022	22.00	0.4	55W
19-Apt-2022	23.00	0.0	33W
20-Apr-2022	0.00	0.0	3310
20-Apr-2022	1:00	0.0	
20-Apr-2022	2:00	0.0	
20-Apr-2022	3:00	0.0	5
20-Apr-2022	4:00	0.0	SSW
20-Apr-2022	5:00	0.0	
20-Apr-2022	6:00	0.0	SSW
20-Apr-2022	7:00	0.0	SW
20-Apr-2022	8:00	0.0	SSW
20-Apr-2022	9:00	0.0	SW
20-Apr-2022	10:00	0.0	SSW
20-Apr-2022	11:00	0.0	SW
20-Apr-2022	12:00	0.4	WSW
20-Apr-2022	13:00	0.4	SSW
20-Apr-2022	14:00	0.4	SSE
20-Apr-2022	15:00	0.0	SSW
20-Apr-2022	16:00	0.0	SSE
20-Apr-2022	17:00	0.0	NNE
20-Apr-2022	18:00	0.0	NE
20-Apr-2022	19:00	0.0	NE
20-Apr-2022	20:00	0.0	
20-Apr-2022	21:00	0.0	WSW
20-Apr-2022	22:00	0.9	W
20-Apr-2022	23:00	0.0	WSW
21-Apr-2022	0:00	0.0	WSW
21-Apr-2022	1:00	0.0	W
21-Apr-2022	2:00	0.0	W
21-Apr-2022	3:00	0.0	WSW
21-Apr-2022	4:00	0.0	WSW
21-Apr-2022	5:00	0.0	SW
21-Apr-2022	6:00	0.0	
21-Apr-2022	7:00	0.0	WNW
21-Apr-2022	8:00	0.0	WSW
21-Apr-2022	9:00	0.0	WSW
21-Apr-2022	10:00	0.0	SSW
21-Apr-2022	11:00	0.0	WSW
21-Apr-2022	12:00	0.0	SSF
21-Apr-2022	13:00	0.0	WSW
21-Anr-2022	14.00	0.4	NF
		0.1	

Date	Time	Wind Speed m/s	Direction
21-Apr-2022	15:00	0.9	NE
21-Apr-2022	16:00	0.9	NE
21-Apr-2022	17:00	0.0	NE
21-Apr-2022	18:00	0.4	NE
21-Apr-2022	19:00	0.4	WSW
21-Apr-2022	20:00	0.4	WSW
21-Apr-2022	21:00	0.4	SSW
21-Apr-2022	22:00	0.0	SSW
21-Apr-2022	23:00	0.0	SW
22-Apr-2022	0:00	0.4	SSW
22-Apr-2022	1:00	0.0	SW
22-Apr-2022	2:00	0.0	SSW
22-Apr-2022	3:00	0.0	S
22-Apr-2022	4:00	0.0	
22-Apr-2022	5:00	0.0	
22-Apr-2022	6:00	0.0	WSW
22-Apr-2022	7:00	0.0	WSW
22-Apr-2022	8:00	0.0	WSW
22-Apr-2022	9:00	0.0	SSW
22-Apr-2022	10:00	0.0	SW
22-Apr-2022	11:00	0.4	SW
22-Apr-2022	12:00	0.4	SSW
22-Apr-2022	13:00	0.4	WNW
22-Apr-2022	14:00	0.4	WNW
22-Apr-2022	15:00	0.4	W
22-Apr-2022	16:00	0.9	WNW
22-Apr-2022	17:00	0.4	WSW
22-Apr-2022	18:00	0.4	NE
22-Apr-2022	19:00	0.0	NE
22-Apr-2022	20:00	0.0	WSW
22-Apr-2022	21:00	0.0	WSW
22-Apr-2022	22:00	0.0	WSW
22-Apr-2022	23:00	0.4	WSW
23-Apr-2022	0:00	0.0	WSW
23-Apr-2022	1:00	0.0	WSW
23-Apr-2022	2:00	0.0	SW
23-Apr-2022	3:00	0.0	SSW
23-Apr-2022	4:00	0.0	
23-Apr-2022	5:00	0.0	
23-Apr-2022	6:00	0.0	WSW
23-Apr-2022	7:00	0.0	W
23-Apr-2022	8:00	0.0	WSW
23-Apr-2022	9:00	0.0	SSW
23-Apr-2022	10:00	0.0	SW
23-Apr-2022	11:00	0.0	SSE
23-Apr-2022	12:00	0.4	NE
23-Apr-2022	13:00	0.9	NE
23-Apr-2022	14:00	1.3	NE
23-Apr-2022	15:00	0.9	NE
23-Apr-2022	16:00	0.9	NE
23-Apr-2022	17:00	0.9	NE
23-Apr-2022	18:00	0.9	NE
23-Apr-2022	19:00	0.9	NE
23-Apr-2022	20:00	0.0	NNE
23-Apr-2022	21:00	0.0	NNE

Date	Time	Wind Speed m/s	Direction
23-Apr-2022	22:00	0.0	NW
23-Apr-2022	23:00	0.0	WNW
24-Apr-2022	0:00	0.0	W
24-Apr-2022	1:00	0.0	
24-Apr-2022	2:00	0.0	
24-Apr-2022	3:00	0.0	
24-Apr-2022	4:00	0.0	
24-Apr-2022	5:00	0.0	
24-Apr-2022	6:00	0.0	
24-Apr-2022	7:00	0.0	
24-Apr-2022	8:00	0.0	W
24-Apr-2022	9:00	0.0	Ŵ
24-Apr-2022	10:00	0.0	SSW
24-Apr-2022	11:00	0.0	SSE
24-Apr-2022	12:00	0.4	NE
24-Apr-2022	13:00	0.9	NE
24-Apr-2022	14:00	0.0	NNF
24-Apr-2022	15:00	0.4	NF
24-Apr-2022	16:00	0.4	NNF
24-Apr-2022	17:00	0.0	NNE
24-Apr-2022	18:00	0.1	NNE
24 Apr 2022	19:00	0.0	NNE
24 Apr 2022	20:00	0.0	NNE
24-Apr-2022	21:00	0.0	NNE
24-Apr-2022	22:00	0.0	
24-Apr-2022	23:00	0.0	
25-Apr-2022	0:00	0.0	
25-Apr-2022	1:00	0.0	
25-Apr-2022	2:00	0.0	
25-Apr-2022	3:00	0.0	W
25-Apr-2022	4:00	0.0	
25-Apr-2022	5:00	0.0	
25-Apr-2022	6:00	0.0	
25-Apr-2022	7:00	0.0	W
25-Apr-2022	8:00	0.0	W
25-Apr-2022	9:00	0.0	NNF
25-Apr-2022	10:00	0.0	NNF
25-Apr-2022	11:00	0.1	NF
25-Apr-2022	12:00	0.9	NNF
25-Apr-2022	13:00	0.9	NNF
25-Apr-2022	14.00	0.9	NNF
25-Apr-2022	15:00	0.9	NNF
25-Apr-2022	16:00	0.9	NNF
25-Apr-2022	17:00	0.9	NNF
25-Apr-2022	18:00	0.9	NNF
25-Anr-2022	19.00	0.0	NW
25-Apr-2022	20.00	0.4	N
25-Apr-2022	21:00	0.0	N
25-Apr-2022	21:00	0.0	NNF
25-Apr-2022	23.00	0.0	NNF
26-Apr-2022	0.00	0.0	NN\//
26-Apr-2022	1.00	0.0	N\\/
26-Apr-2022	2.00	0.0	NNF
26-Apr-2022	3:00	0.0	N
26-Apr-2022	4:00	0.0	NF
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Date	Time	Wind Speed m/s	Direction
26-Apr-2022	5:00	0.0	
26-Apr-2022	6:00	0.0	
26-Apr-2022	7:00	0.0	W
26-Apr-2022	8:00	0.4	W
26-Apr-2022	9:00	0.0	W
26-Apr-2022	10:00	0.4	NNE
26-Apr-2022	11:00	0.4	NNE
26-Apr-2022	12:00	0.9	NNE
26-Apr-2022	13:00	1.3	NNE
26-Apr-2022	14:00	1.3	NNE
26-Apr-2022	15:00	0.9	NNE
26-Apr-2022	16:00	0.9	NE
26-Apr-2022	17:00	0.4	NNE
26-Apr-2022	18:00	0.4	NNE
26-Apr-2022	19:00	0.0	NNE
26-Apr-2022	20:00	0.0	NF
26-Apr-2022	21:00	0.0	NNF
26-Apr-2022	22:00	0.0	NF
26-Apr-2022	23:00	0.0	
27-Anr-2022	0.00	0.0	
27-Apr-2022	1:00	0.0	
27-Apr-2022	2:00	0.0	
27-Apr-2022	2:00	0.0	
27-Apr-2022	4:00	0.0	
27-Apr-2022	5:00	0.0	N
27-Apr-2022	6:00	0.0	N\//
27-Apr-2022	7:00	0.0	W
27-Apr-2022	8:00	0.4	W
27-Apr-2022	9:00	0.4	
27-Apr-2022	10:00	0.0	FNF
27-Apr-2022	11:00	0.0	NF
27-Apr-2022	12:00	0.4	NE
27-Apr-2022	13:00	0.9	NE
27-Apr-2022	14:00	0.0	NNF
27-Apr-2022	15:00	0.0	NNE
27-Apr-2022	16:00	0.0	NNE
27-Apr-2022	17:00	0.0	NF
27-Apr-2022	18:00	0.4	NE
27-Apr-2022	19:00	0.0	NE
27-Apr-2022	20.00	0.1	
27-Anr-2022	20.00	0.0	N
27-Anr-2022	21.00	0.0	
27-Apr-2022	23.00	0.0	W
28-Apr-2022	0.00	0.0	<u>۷۷</u> \//
20-Apr-2022	1.00	0.0	v v 
20-741-2022 28-Apr-2022	2.00	0.0	
20-Apr-2022	2.00	0.0	
20-741-2022 28-Apr-2022	3.00 1·00	0.0	
20-Apr-2022	4.00 5.00	0.0	
20-Apr 2022	6.00	0.0	
20-Apr 2022	7.00	0.0	\/\@\//
20-Apr 2022	<i>i</i> .00	0.0	00300
20-Apr-2022	0.00	0.0	 S/M
20-Apr 2022	9.00	0.0	<u> </u>
20-Apr 2022	10.00	0.0	
20-Apr-2022	11:00	0.4	VVINVV

Date	Time	Wind Speed m/s	Direction
28-Apr-2022	12:00	0.4	WNW
28-Apr-2022	13:00	0.9	WNW
28-Apr-2022	14:00	0.9	WSW
28-Apr-2022	15:00	0.9	SW
28-Apr-2022	16:00	0.9	WNW
28-Apr-2022	17:00	0.9	W
28-Apr-2022	18:00	0.4	WSW
28-Apr-2022	19:00	0.0	WNW
28-Apr-2022	20:00	0.4	SW
28-Apr-2022	21:00	0.1	SW
28-Apr-2022	21:00	0.4	WSW
20-Apr-2022	22:00	0.0	SW/
20-Apr-2022	0.00	0.0	SW
20-Apr-2022	1:00	0.4	WSW/
29-Api-2022	2:00	0.0	\$\\/
29-Api-2022	2.00	0.0	
29-Apt-2022	3.00	0.0	
29-Api-2022	4.00	0.0	VV SVV
29-Apr-2022	5:00	0.0	VV SVV
29-Apr-2022	6:00	0.0	VVSVV
29-Apr-2022	7:00	0.4	VV
29-Apr-2022	8:00	0.0	SSW
29-Apr-2022	9:00	0.4	SSW
29-Apr-2022	10:00	0.4	SSW
29-Apr-2022	11:00	0.0	SSW
29-Apr-2022	12:00	0.0	NNE
29-Apr-2022	13:00	0.4	NE
29-Apr-2022	14:00	1.3	NE
29-Apr-2022	15:00	0.9	NE
29-Apr-2022	16:00	0.4	NE
29-Apr-2022	17:00	0.9	NE
29-Apr-2022	18:00	0.9	NE
29-Apr-2022	19:00	0.0	NE
29-Apr-2022	20:00	0.0	
29-Apr-2022	21:00	0.0	
29-Apr-2022	22:00	0.0	
29-Apr-2022	23:00	0.0	
30-Apr-2022	0:00	0.0	
30-Apr-2022	1:00	0.0	W
30-Apr-2022	2:00	0.0	WSW
30-Apr-2022	3:00	0.0	W
30-Apr-2022	4:00	0.0	W
30-Apr-2022	5:00	0.0	W
30-Apr-2022	6:00	0.0	
30-Apr-2022	7:00	0.0	SSW
30-Apr-2022	8:00	0.0	SSW
30-Apr-2022	9:00	0.9	SSW
30-Apr-2022	10:00	1.3	SW
30-Apr-2022	11:00	1.3	SSW
30-Apr-2022	12:00	1.3	SSW
30-Apr-2022	13:00	1.3	SW
30-Apr-2022	14:00	1.3	SSW
30-Apr-2022	15:00	1.3	SW
30-Apr-2022	16:00	1.3	SW
30-Apr-2022	17:00	1.3	SSW
30-Apr-2022	18:00	0.4	WSW

Date	Time	Wind Speed m/s	Direction
30-Apr-2022	19:00	0.9	WSW
30-Apr-2022	20:00	0.4	SSW
30-Apr-2022	21:00	0.4	SW
30-Apr-2022	22:00	0.9	SSW
30-Apr-2022	23:00	0.4	SSW

Date	Time	Wind Speed m/s	Direction
1-May-2022	0:00	1.3	SSW
1-May-2022	1:00	0.9	SSW
1-May-2022	2:00	0.4	SSW
1-May-2022	3:00	0.4	WSW
1-May-2022	4:00	0.9	SW
1-May-2022	5:00	1.3	SW
1-May-2022	6:00	0.9	SSW
1-May-2022	7:00	0.4	SSW
1-May-2022	8:00	0.9	SSW
1-May-2022	9:00	0.9	SSW
1-May-2022	10.00	0.9	SSW
1-May-2022	11:00	0.0	SSW
1-May-2022	12:00	0.9	SSW
1-May-2022	13:00	0.9	SSW
1-May-2022	14:00	0.0	SSW
1-May 2022	15:00	0.4	85W
1-May-2022	16:00	0.4	000 SSW/
1-May-2022	17:00	0.4	
1-May-2022	18.00	0.4	S/N/
1-May-2022	10:00	0.4	SW SSW/
1 May 2022	20:00	0.4	85W
1 May 2022	20.00	0.9	<u> </u>
1 May 2022	21.00	0.4	85W
1 May 2022	22:00	0.4	
2-May-2022	0:00	0.0	SSL SSW/
2 May 2022	1:00	0.4	SW/
2-1vidy-2022	2:00	0.0	5W SSW/
2 May 2022	2:00	0.0	
2-May-2022	4:00	0.0	SW/
2-May-2022	5:00	0.0	
2-May 2022	6:00	0.0	SSE
2-May-2022	7:00	0.0	SW
2-May 2022	8:00	0.0	55W/
2-May-2022	9:00	0.0	SW
2-May-2022	10:00	0.0	SSE
2-May-2022	11:00	0.0	SSW
2-May-2022	12:00	0.4	SSW
2-May-2022	13:00	0.0	SSW
2-May-2022	14:00	0.0	SSE
2-May-2022	15:00	0.1	SSW
2-May-2022	16:00	0.4	SSW
2-May-2022	17:00	0.4	SSW
2-May-2022	18:00	0.4	SSW
2-May-2022	19.00	0.4	SSW
2-May-2022	20:00	0.4	85W
2-May-2022	20.00	0.4	SSW/
2-May-2022	21.00	0.4	SSW/
2-May-2022	22:00	0.4	SSW/
3-May-2022	0.00	0.0	SSW M22
3-May-2022	1.00	0.0	
3-May-2022	2.00	0.0	SW/
3-May-2022	2.00	0.0	
3-May-2022	3.00 <u>4</u> .00	0.0	SC/V/
3-May-2022	5.00	0.0	
3-May-2022	6:00	0.0	W.SW/
0 1vidy=2022	0.00	0.0	*****

3-May-2022         7:00         0.0         SSW           3-May-2022         8:00         0.0         SSW           3-May-2022         10:00         0.9         SSW           3-May-2022         11:00         0.4         SSW           3-May-2022         12:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         14:00         0.0         SSE           3-May-2022         15:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SW           3-May-2022         19:00         0.0         WSW           3-May-2022         20:00         0.9         SW           3-May-2022         20:00         0.0         SSW           3-May-2022         20:00         0.0         SSW           3-May-2022         20:00         0.0         SW           3-May-2022         20:00         0.0         SW           3-May-2022         0:00         0.0         SW           4-May-2022         0:00         0.0         SW           4-May-2022	Date	Time	Wind Speed m/s	Direction
3-May-2022         8:00         0.0         SSW           3-May-2022         9:00         0.4         SSW           3-May-2022         11:00         0.4         SSW           3-May-2022         11:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         17:00         0.0         S           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         SW           3-May-2022         20:00         0.9         SW           3-May-2022         20:00         0.0         SW           3-May-2022         20:00         0.0         SW           3-May-2022         10:0         0.0         SW           3-May-2022         10:0         0.0         SW           4-May-2022         0:00         0.4         SW           4-May-2022         10:0         0.0         SW           4-May-2022	3-May-2022	7:00	0.0	SSW
3-May-2022         9:00         0.4         SSW           3-May-2022         10:00         0.9         SSW           3-May-2022         11:00         0.4         SSW           3-May-2022         12:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         14:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         WSW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         20:00         0.0         SSW           3-May-2022         10:00         0.0         SW           3-May-2022         10:00         0.0         SW           3-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022	3-May-2022	8:00	0.0	SSW
3-May-2022         10:00         0.9         SSW           3-May-2022         11:00         0.4         SSW           3-May-2022         13:00         0.4         SSE           3-May-2022         14:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         SW           3-May-2022         20:00         0.9         SW           3-May-2022         20:00         0.4         SW           3-May-2022         20:00         0.0         SW           3-May-2022         20:00         0.0         W           4-May-2022         0:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022	3-May-2022	9:00	0.4	SSW
3-May-2022         11:00         0.4         SSW           3-May-2022         12:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         14:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         17:00         0.0         SW           3-May-2022         18:00         0.0         WSW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         20:00         0.0         WSW           3-May-2022         20:00         0.0         SW           3-May-2022         20:00         0.0         SW           3-May-2022         1:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022	3-May-2022	10:00	0.9	SSW
3-May-2022         12:00         0.4         SSE           3-May-2022         13:00         0.4         SSE           3-May-2022         14:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         S           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         WSW           3-May-2022         21:00         0.4         SW           3-May-2022         21:00         0.4         SW           3-May-2022         21:00         0.4         SW           3-May-2022         20:00         0.0         SW           3-May-2022         1:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         7:00         0.0         SSW           4-May-2022         10:00         0.0         SW           4-May-2022	3-May-2022	11:00	0.4	SSW
3.hay-2022         13:00         0.4         SSE           3.hMay-2022         14:00         0.0         SSE           3.hMay-2022         15:00         0.0         SSE           3.hMay-2022         16:00         0.0         SSE           3.hMay-2022         16:00         0.0         SSE           3.hMay-2022         18:00         0.0         SW           3.hMay-2022         19:00         0.0         WW           3.hMay-2022         20:00         0.9         SW           3.hMay-2022         21:00         0.4         SW           3.hMay-2022         20:00         0.0         WW           3.hMay-2022         20:00         0.4         SW           3.hMay-2022         1:00         0.4         SW           4.hMay-2022         1:00         0.4         SW           4.hMay-2022         3:00         0.4         SW           4.hMay-2022         5:00         0.0         SW           4.hMay-2022         7:00         0.0         SW           4.hMay-2022         7:00         0.0         SW           4.hMay-2022         10:00         0.0         SW           4.hMay-20	3-May-2022	12:00	0.4	SSE
3-May-2022         14:00         0.0         SSE           3-May-2022         15:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         16:00         0.0         SSE           3-May-2022         18:00         0.0         SSE           3-May-2022         19:00         0.0         SW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         20:00         0.0         SW           3-May-2022         20:00         0.4         SW           3-May-2022         0:00         0.4         SW           4-May-2022         1:00         0.0         SW           4-May-2022         0:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022 <t< td=""><td>3-May-2022</td><td>13:00</td><td>0.4</td><td>SSE</td></t<>	3-May-2022	13:00	0.4	SSE
3. http://doi.org/10.100         0.0         SSE           3. http://doi.org/10.100         0.0         0.0         SW           3. http://doi.org/10.100         0.0         0.0         WW           3. http://doi.org/10.100         0.0         0.0         WW           3. http://doi.org/10.100         0.0         0.0         WW           3. http://doi.org/10.100         0.0         0.0         SW           3. http://doi.org/10.100         0.0         0.0         SW           3. http://doi.org/10.100         0.0         0.0         SW           4. http://doi.org/10.100         0.0         SW         4           4. http://doi.org/10.100         0.0         SW <td< td=""><td>3-May-2022</td><td>14:00</td><td>0.0</td><td>SSF</td></td<>	3-May-2022	14:00	0.0	SSF
Bind         Disc         Disc         Disc           3-May-2022         16:00         0.0         SSE           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         SW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         23:00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         0:00         0.4         SW           4-May-2022         0:00         0.4         SW           4-May-2022         0:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         0:00         0.0         SSW           4-May-2022         0:00         0.0         SSW           4-May-2022         1:00         0.0         SSW           4-May-2022         1:00         0.0         SSW           4-May-2022         1:00         0.0         SSW           4-May-2022         1:00	3-May-2022	15:00	0.0	SSE
b May 2022         17:00         0.0         S           3-May-2022         18:00         0.0         SW           3-May-2022         19:00         0.0         WW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         WW           4-May-2022         23:00         0.0         W           4-May-2022         1:00         0.4         SW           4-May-2022         1:00         0.4         SW           4-May-2022         1:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         7:00         0.0         SW           4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00	3-May-2022	16:00	0.0	SSE
3-May-2022         11:00         0.0         SW           3-May-2022         19:00         0.0         WSW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         23:00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         0:00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         8:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.4         SSE           4-May-2022         12:00         0.4         SW           4-May-2022         1	3-May-2022	17:00	0.0	00L 0
3 May-2022         10:00         0.0         WSW           3-May-2022         20:00         0.9         SW           3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         22:00         0.0         SSW           3-May-2022         20:00         0.0         SW           4-May-2022         0:00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         1:00         0.0         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         7:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         <	3-May-2022	18:00	0.0	SW
5 May 2022         20:00         0.9         SW           3-May-2022         20:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         23:00         0.0         W           4-May-2022         23:00         0.0         W           4-May-2022         1:00         0.4         SSW           4-May-2022         1:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         8:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00	3-May-2022	10:00	0.0	WSW
3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         23:00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         0:00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         6:00         0.0         SW           4-May-2022         6:00         0.0         SSW           4-May-2022         7:00         0.0         SSW           4-May-2022         10:00         0.0         SSW           4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         WSW           4-May-2022         13:00         0.9         WSW           4-May-2022         16:00         0.4         WNW           4-May-2022	3-May-2022	20:00	0.0	\$\\/
3-May-2022         21:00         0.4         SW           3-May-2022         22:00         0.0         SSW           3-May-2022         23:00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         2:00         0.4         SW           4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         5:00         0.0         SSW           4-May-2022         6:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SSW           4-May-2022         10:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022	3 May 2022	20.00	0.9	
3-May-2022         22.00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SSW           4-May-2022         7:00         0.0         SSW           4-May-2022         7:00         0.0         SSW           4-May-2022         10:00         0.0         SSW           4-May-2022         10:00         0.0         SSW           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         16:00         0.4         W           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022 <td< td=""><td>3-1viay-2022</td><td>21.00</td><td>0.4</td><td></td></td<>	3-1viay-2022	21.00	0.4	
3-May-2022         23.00         0.0         W           4-May-2022         0:00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         4:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SSE           4-May-2022         11:00         0.0         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         18:00         1.3         NE           4-May-2022         20:00	3-1Vlay-2022	22.00	0.0	3300
4-May-2022         0.00         0.4         SSW           4-May-2022         1:00         0.0         SW           4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         5:00         0.0         SSW           4-May-2022         6:00         0.0         WSW           4-May-2022         8:00         0.0         SSW           4-May-2022         9:00         0.0         SW           4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SSW           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         16:00         0.4         WNW           4-May-2022         19:00         0.4         WNW           4-May-2022	3-1Viay-2022	23.00	0.0	
+-тиау-2022         1:00         0.0         SW           4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         4:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SW           4-May-2022         7:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SSW           4-May-2022         10:00         0.0         SSE           4-May-2022         11:00         0.0         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022	4-iviay-2022	0:00	0.4	30W
4-May-2022         2:00         0.4         SW           4-May-2022         3:00         0.4         SW           4-May-2022         4:00         0.0         SW           4-May-2022         5:00         0.0         SW           4-May-2022         6:00         0.0         SSW           4-May-2022         6:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SSW           4-May-2022         10:00         0.0         SSW           4-May-2022         10:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         19:00         0.4         W           4-May-2022         10:00         0.0         W           4-May-2022         10:00         0.0         W           4-May-2022	4-May-2022	1:00	0.0	SW
4-May-2022         3:00         0.4         SW           4-May-2022         4:00         0.0         SW           4-May-2022         5:00         0.0         SSW           4-May-2022         6:00         0.0         WSW           4-May-2022         8:00         0.0         SSW           4-May-2022         9:00         0.0         SW           4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         10:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         SW           4-May-2022 <t< td=""><td>4-May-2022</td><td>2:00</td><td>0.4</td><td>SW</td></t<>	4-May-2022	2:00	0.4	SW
4-May-2022         4:00         0.0         SW           4-May-2022         5:00         0.0         SSW           4-May-2022         6:00         0.0         WSW           4-May-2022         7:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         15:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         WNW           4-May-2022         19:00         0.0         W           4-May-2022         19:00         0.0         W           4-May-2022         10:00         0.0         W           4-May-2022         20:00         0.0         WSW           4-May-2022	4-May-2022	3:00	0.4	SW
4-May-2022         5:00         0.0         SSW           4-May-2022         6:00         0.0         WSW           4-May-2022         7:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         12:00         0.4         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         17:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           5-May-2022	4-May-2022	4:00	0.0	SW
4-May-2022         6:00         0.0         WSW           4-May-2022         7:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         11:00         0.0         SSW           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         16:00         0.4         W           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           5-May-2022	4-May-2022	5:00	0.0	SSW
4-May-2022         7:00         0.0         SSW           4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SW           4-May-2022         11:00         0.0         SSW           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         SW           5-May-2022	4-May-2022	6:00	0.0	WSW
4-May-2022         8:00         0.0            4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           4-May-2022         20:00         0.0         WSW           5-May-2022         20:00         0.0         SSW           5-May-2022         0:00         0.0         SSW           5-May-2022	4-May-2022	7:00	0.0	SSW
4-May-2022         9:00         0.0         SW           4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         20:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         0:00         0.0         SSW           5-May-2022	4-May-2022	8:00	0.0	
4-May-2022         10:00         0.0         SSW           4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         16:00         0.4         WNW           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           5-May-2022         20:00         0.0         SSW           5-May-2022         1:00         0.0            5-May-2022         1:00         0.0            5-May-2022	4-May-2022	9:00	0.0	SW
4-May-2022         11:00         0.0         SSE           4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         WNW           4-May-2022         19:00         0.4         WNW           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           5-May-2022         20:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022	4-May-2022	10:00	0.0	SSW
4-May-2022         12:00         0.4         SSE           4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         WNW           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022	4-May-2022	11:00	0.0	SSE
4-May-2022         13:00         0.9         WSW           4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         21:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022	4-May-2022	12:00	0.4	SSE
4-May-2022         14:00         0.9         WSW           4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022	4-May-2022	13:00	0.9	WSW
4-May-2022         15:00         0.4         W           4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         WSW           4-May-2022         20:00         0.0         WSW           4-May-2022         20:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022	4-May-2022	14:00	0.9	WSW
4-May-2022         16:00         0.4         WNW           4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         21:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022	4-May-2022	15:00	0.4	W
4-May-2022         17:00         0.4         WNW           4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         1:00         0.0            5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022	4-May-2022	16:00	0.4	WNW
4-May-2022         18:00         1.3         NE           4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.9         SW           5-May-2022	4-May-2022	17:00	0.4	WNW
4-May-2022         19:00         0.4         NE           4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         2:00         0.0            5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         9:00         0.9         SW           5-May-2022	4-May-2022	18:00	1.3	NE
4-May-2022         20:00         0.0         W           4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022	4-May-2022	19:00	0.4	NE
4-May-2022         21:00         0.0         W           4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022	4-May-2022	20:00	0.0	W
4-May-2022         22:00         0.0         WSW           4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.0         SSW           5-May-2022         9:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022	4-May-2022	21:00	0.0	W
4-May-2022         23:00         0.0         WSW           5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.0         SSW           5-May-2022         9:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	4-May-2022	22:00	0.0	WSW
5-May-2022         0:00         0.0         SSW           5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         9:00         0.0         SSW           5-May-2022         9:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	4-May-2022	23:00	0.0	WSW
5-May-2022         1:00         0.0         SSW           5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	5-May-2022	0:00	0.0	SSW
5-May-2022         2:00         0.0         SSW           5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	1:00	0.0	SSW
5-May-2022         3:00         0.0            5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	5-May-2022	2:00	0.0	SSW
5-May-2022         4:00         0.0            5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	5-May-2022	3:00	0.0	
5-May-2022         5:00         0.0         SSW           5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	4:00	0.0	
5-May-2022         6:00         0.0         SSW           5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	5:00	0.0	SSW
5-May-2022         7:00         0.0         SSW           5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	6:00	0.0	SSW
5-May-2022         8:00         0.0         SSW           5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW	5-May-2022	7:00	0.0	SSW
5-May-2022         9:00         0.9         SSW           5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WSW	5-May-2022	8:00	0.0	SSW
5-May-2022         10:00         0.9         SW           5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	9:00	0.9	SSW
5-May-2022         11:00         0.9         SW           5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-May-2022	10:00	0.9	SW
5-May-2022         12:00         0.9         WSW           5-May-2022         13:00         0.9         WNW	5-Mav-2022	11:00	0.9	SW
5-May-2022 13:00 0.9 WNW	5-May-2022	12:00	0.9	WSW
	5-Mav-2022	13:00	0.9	WNW

Date	Time	Wind Speed m/s	Direction
5-May-2022	14:00	0.4	WNW
5-May-2022	15:00	0.4	WNW
5-May-2022	16:00	0.0	WSW
5-May-2022	17:00	0.4	WNW
5-May-2022	18:00	0.9	W
5-May-2022	19:00	0.9	WNW
5-May-2022	20:00	0.4	WSW
5-May-2022	21:00	0.0	WSW
5-May-2022	22:00	0.0	SSW
5-May-2022	23:00	0.0	SSW
6-May 2022	0:00	0.0	WSW/
6-May-2022	1:00	0.0	SW/
6-May-2022	2:00	0.0	
6 May 2022	2:00	0.0	
6 May 2022	3.00	0.0	 SW/
0-1viay-2022	4.00	0.0	
6-May-2022	5:00	0.0	SW
6-May-2022	6:00	0.0	500
6-May-2022	7:00	0.0	WSW
6-May-2022	8:00	0.0	SSW
6-May-2022	9:00	0.9	SSW
6-May-2022	10:00	0.9	SSW
6-May-2022	11:00	0.4	SSW
6-May-2022	12:00	0.4	SSW
6-May-2022	13:00	0.4	WSW
6-May-2022	14:00	0.4	WSW
6-May-2022	15:00	0.4	WSW
6-May-2022	16:00	0.9	NE
6-May-2022	17:00	0.4	NE
6-May-2022	18:00	0.0	SSW
6-May-2022	19:00	0.9	SW
6-May-2022	20:00	0.0	WSW
6-May-2022	21:00	0.4	SW
6-May-2022	22:00	0.0	SW
6-May-2022	23:00	0.0	SW
7-May-2022	0:00	0.0	SSW
7-May-2022	1:00	0.0	SSW
7-May-2022	2:00	0.0	SW
7-May-2022	3:00	0.4	SSW
7-May-2022	4:00	0.0	SW
7-May-2022	5:00	0.0	SSW
7-May-2022	6:00	0.0	SSW
7-May-2022	7:00	0.0	WSW
7-May-2022	8:00	0.4	WSW
7-May-2022	9:00	0.0	SW
7-May-2022	10:00	0.0	SSW
7-May-2022	11:00	0.0	SSW
7-May-2022	12:00	0.0	SSE
7-Mav-2022	13:00	0.0	SSW
7-May-2022	14:00	0.4	SSE
7-May-2022	15:00	0.4	NE
7-May-2022	16:00	0.4	NE
7-May-2022	17:00	0.0	NE
7-May-2022	18:00	0.0	NNF
7-May-2022	19.00	0.0	WSW
7-May-2022	20.00	0.0	SW/
1 11/10y=2022	20.00	0.0	511

Date	Time	Wind Speed m/s	Direction
7-May-2022	21:00	0.0	SSW
7-May-2022	22:00	0.0	SW
7-May-2022	23:00	0.0	WSW
8-May-2022	0:00	0.0	SW
8-May-2022	1:00	0.0	WSW
8-May-2022	2:00	0.0	SW
8-May-2022	3:00	0.4	SW
8-May-2022	4.00	0.4	SW
8-May-2022	5:00	0.4	SSW
8-May-2022	6:00	0.0	SW
8-May-2022	7:00	0.0	55W/
8-May-2022	8:00	0.4	WSW
8-May-2022	0.00 Q:00	0.0	WSW
8 May 2022	10:00	0.4	881/1
0-1viay-2022 9 May 2022	11:00	0.0	
0-1viay-2022	12:00	0.4	
0-1Vlay-2022	12:00	0.4	
0-101ay-2022	13.00	0.9	
8-May-2022	14:00	0.9	<u>55</u> W
8-May-2022	15:00	0.0	55W
8-May-2022	16:00	0.0	SSW
8-May-2022	17:00	0.4	SSW
8-May-2022	18:00	0.0	SSW
8-May-2022	19:00	0.0	SW
8-May-2022	20:00	0.0	WSW
8-May-2022	21:00	0.0	WNW
8-May-2022	22:00	0.0	WSW
8-May-2022	23:00	0.0	SSW
9-May-2022	0:00	0.0	SSW
9-May-2022	1:00	0.0	SSW
9-May-2022	2:00	0.0	SW
9-May-2022	3:00	0.0	SSW
9-May-2022	4:00	0.0	SW
9-May-2022	5:00	0.0	SSW
9-May-2022	6:00	0.0	SSW
9-May-2022	7:00	0.0	SSW
9-May-2022	8:00	0.0	WSW
9-May-2022	9:00	0.0	SSW
9-May-2022	10:00	0.0	SSW
9-May-2022	11:00	0.0	SSW
9-May-2022	12:00	0.4	SSW
9-May-2022	13:00	0.9	WSW
9-May-2022	14:00	0.4	WNW
9-May-2022	15:00	0.4	SSW
9-May-2022	16:00	0.4	WSW
9-May-2022	17:00	0.9	SW
9-May-2022	18:00	0.9	WNW
9-May-2022	19:00	0.9	SW
9-Mav-2022	20:00	0.4	WSW
9-May-2022	21:00	0.4	WSW
9-May-2022	22.00	0.4	SSW
9-May-2022	23:00	0.4	SW
10-May-2022	0.00	0.4	SSW
10-May-2022	1.00	0.4	SSW
10-May-2022	2.00	0.0	SW
10-May-2022	3.00	0.0	SW
10 May-2022	0.00	0.0	511

Date	Time	Wind Speed m/s	Direction
10-May-2022	4:00	0.0	SSW
10-May-2022	5:00	0.0	WSW
10-May-2022	6:00	0.0	SW
10-May-2022	7:00	0.0	SSW
10-May-2022	8:00	0.0	SSW
10-May-2022	9:00	0.0	SSW
10-May-2022	10:00	0.4	SSW
10-May-2022	11:00	0.4	SSW
10-May-2022	12:00	0.9	SW
10-May-2022	13:00	0.4	SSW
10-May-2022	14:00	0.4	SSW
10-May-2022	15:00	0.9	WSW
10-May-2022	16:00	0.9	WNW
10-May-2022	17:00	0.9	WSW
10-May-2022	18:00	0.9	WNW
10-May-2022	19:00	0.4	WNW
10-May-2022	20:00	0.4	W
10-May-2022	21:00	0.0	Ŵ
10-May-2022	22:00	0.0	WSW
10-May-2022	23:00	0.0	W
11-May-2022	0.00	0.0	WSW
11-May-2022	1:00	0.0	WSW
11-May-2022	2:00	0.0	WSW
11-May-2022	3:00	0.0	WSW
11-May-2022	4:00	0.0	W
11-May-2022	5:00	0.0	WSW
11-May-2022	6:00	0.0	W
11-May-2022	7:00	0.0	WSW
11-May-2022	8:00	0.4	WSW
11-May-2022	9:00	0.0	SW
11-May-2022	10:00	0.0	SW
11-May-2022	11:00	0.0	SW
11-May-2022	12:00	0.0	WSW
11-May-2022	13:00	0.0	SSW
11-May-2022	14:00	0.0	WSW
11-May-2022	15:00	0.0	NE
11-May-2022	16:00	0.0	NNE
11-May-2022	17:00	0.0	NE
11-May-2022	18:00	0.0	NE
11-Mav-2022	19:00	0.0	NW
11-May-2022	20:00	0.0	W
11-May-2022	21:00	0.4	W
11-Mav-2022	22:00	0.0	
11-Mav-2022	23:00	0.0	WSW
12-Mav-2022	0:00	0.0	
12-Mav-2022	1:00	0.0	
12-Mav-2022	2:00	0.0	
12-Mav-2022	3:00	0.4	W
12-May-2022	4:00	0.0	SSW
12-Mav-2022	5:00	0.0	SW
12-May-2022	6:00	0.0	SW
12-May-2022	7:00	0.4	WSW
12-May-2022	8:00	0.0	NE
12-May-2022	9:00	0.0	WNW
12-May-2022	10:00	0.0	

Date	Time	Wind Speed m/s	Direction
12-May-2022	11:00	0.0	
12-May-2022	12:00	0.0	W
12-May-2022	13:00	0.0	WSW
12-May-2022	14:00	0.0	WSW
12-May-2022	15:00	0.0	WSW
12-May-2022	16:00	0.0	W
12-May-2022	17:00	0.4	NE
12-May-2022	18:00	0.0	NE
12-May-2022	19:00	0.4	NE
12-May-2022	20:00	0.0	NE
12-May-2022	21:00	0.0	
12-May-2022	22:00	0.0	
12-May-2022	23:00	0.0	
13-May-2022	0:00	0.0	NNW
13-May-2022	1:00	0.0	
13-May-2022	2:00	0.0	
13-May-2022	3:00	0.0	NNW
13-May-2022	4:00	0.0	
13-May-2022	5:00	0.0	
13-May-2022	6:00	0.0	N\W
13-May-2022	7:00	0.0	
13-May-2022	8:00	0.0	
13 May 2022	0:00	0.0	
13-May-2022	9.00	0.9	
13 May 2022	11:00	0.9	<u> </u>
13-May-2022	12:00	0.4	
13-May-2022	12:00	0.4	
13-May-2022	13.00	0.0	
13-May-2022	14.00	0.4	
13-May-2022	15.00	0.9	
13-May-2022	10.00	0.9	
13-May-2022	17.00	0.9	
13-May-2022	18:00	0.4	5500
13-May-2022	19:00	0.9	SW
13-May-2022	20:00	0.4	500
13-May-2022	21:00	0.9	SSW
13-May-2022	22:00	0.9	SW
13-May-2022	23:00	0.4	WSW
14-May-2022	0:00	1.3	SSW
14-May-2022	1:00	1.3	55W
14-May-2022	2:00	1.3	55W
14-May-2022	3:00	0.4	SW
14-May-2022	4:00	0.0	VVSVV
14-May-2022	5:00	0.4	WSW 2004
14-May-2022	6:00	0.9	55W
14-May-2022	7:00	0.9	SSW
14-May-2022	8:00	0.9	SSW
14-May-2022	9:00	0.4	SSW
14-May-2022	10:00	0.0	SSW
14-May-2022	11:00	0.4	SSW
14-May-2022	12:00	0.0	SSW
14-May-2022	13:00	0.0	SW
14-May-2022	14:00	0.0	SW
14-May-2022	15:00	0.0	SSW
14-May-2022	16:00	0.4	SSW
14-May-2022	17:00	0.4	SSW

Date	Time	Wind Speed m/s	Direction
14-May-2022	18:00	0.9	SSW
14-May-2022	19:00	1.3	SSW
14-May-2022	20:00	0.9	SSW
14-May-2022	21:00	0.4	SSW
14-May-2022	22:00	0.4	SSW
14-May-2022	23:00	1.3	SSW
15-May-2022	0:00	0.4	SSW
15-May-2022	1:00	0.0	SSW
15-May-2022	2:00	0.4	SSW
15-May-2022	3:00	0.4	SSW
15-May-2022	4:00	0.0	SSW
15-May-2022	5:00	0.0	SSW
15-May-2022	6:00	0.0	SSE
15-May-2022	7:00	0.0	SSW
15-May-2022	8:00	0.0	SSW
15-May-2022	9:00	0.0	SSW
15-May-2022	10:00	0.0	SSW
15-May-2022	11:00	0.0	SSW
15-May-2022	12:00	0.0	SSW
15-May-2022	13:00	0.1	SSW
15-May-2022	14:00	0.0	SSW
15-May-2022	15:00	0.0	SSW
15-May-2022	16:00	0.1	SSW
15-May-2022	17:00	0.1	SSW
15-May-2022	18:00	0.0	SSW
15-May-2022	19:00	0.0	SSW
15-May-2022	20:00	0.0	SSW
15-May-2022	21:00	0.0	SSW
15-May-2022	22:00	0.0	SSW
15-May-2022	23:00	0.0	SSW
16-May-2022	0:00	0.0	SSW
16-May-2022	1:00	0.4	SSW
16-May-2022	2:00	0.4	SSW
16-May-2022	3:00	0.4	SSW
16-May-2022	4:00	0.4	SSW
16-May-2022	5:00	0.0	SSW
16-May-2022	6:00	0.4	SSW
16-May-2022	7:00	0.0	SSE
16-May-2022	8:00	0.0	WSW
16-May-2022	9:00	0.0	SSE
16-May-2022	10:00	0.9	NE
16-May-2022	11:00	0.4	NE
16-May-2022	12:00	0.0	WSW
16-May-2022	13:00	0.0	WNW
16-Mav-2022	14:00	0.0	SW
16-May-2022	15:00	0.0	SSW
16-May-2022	16:00	0.0	SSW
16-May-2022	17:00	0.4	SSW
16-May-2022	18:00	0.4	SSW
16-May-2022	19:00	0.4	SW
16-May-2022	20:00	0.4	SSW
16-May-2022	21:00	0.4	SW
16-May-2022	22:00	0.4	SW
16-May-2022	23:00	0.4	WSW
17-May-2022	0:00	0.0	SW

Date	Time	Wind Speed m/s	Direction
17-May-2022	1:00	0.0	SSW
17-May-2022	2:00	0.9	SSW
17-May-2022	3:00	1.3	SSW
17-May-2022	4:00	1.8	SSW
17-May-2022	5:00	1.8	SSW
17-May-2022	6:00	1.3	SSW
17-May-2022	7:00	1.0	SSW
17-May-2022	8:00	0.4	SSW
17-May 2022	0:00	0.4	WSW/
17-May-2022	10:00	0.4	\\/
17-Way-2022	11:00	0.4	00 00
17-Way-2022	12:00	0.4	<u> </u>
17-101ay-2022	12.00	0.9	
17-Way-2022	13.00	0.9	
17-May-2022	14:00	0.0	SSW
17-May-2022	15:00	0.9	SSW
17-May-2022	16:00	0.4	SW
17-May-2022	17:00	0.0	SW
17-May-2022	18:00	0.0	WSW
17-May-2022	19:00	0.0	SW
17-May-2022	20:00	0.0	SW
17-May-2022	21:00	0.0	SW
17-May-2022	22:00	0.0	SSW
17-May-2022	23:00	0.0	WSW
18-May-2022	0:00	0.0	
18-May-2022	1:00	0.0	
18-May-2022	2:00	0.0	WSW
18-May-2022	3:00	0.0	WSW
18-May-2022	4:00	0.0	WSW
18-May-2022	5:00	0.0	SSW
18-May-2022	6:00	0.4	SW
18-May-2022	7:00	0.0	SSE
18-May-2022	8:00	0.0	SSE
18-May-2022	9:00	0.9	NF
18-May-2022	10:00	0.0	NE
18-May-2022	11:00	0.0	NE
18-May-2022	12:00	0.4	
18-May-2022	12:00	0.0	
10-May-2022	14:00	0.0	SS///
18-May 2022	14.00	0.0	 \//
19 May 2022	10.00	0.0	<u> </u>
10-ividy-2022	10.00	0.0	00W
10-IVIAy-2022	17.00	0.0	00W
10-1VIdy-2022	10:00	0.0	3370
18-IVIAY-2022	19:00	0.0	
18-May-2022	20:00	0.0	SSW
18-May-2022	21:00	0.0	WSW
18-May-2022	22:00	0.0	SSW
18-May-2022	23:00	0.0	SW
19-May-2022	0:00	0.0	SSW
19-May-2022	1:00	0.0	SSW
19-May-2022	2:00	0.4	SSW
19-May-2022	3:00	0.0	SW
19-May-2022	4:00	0.0	NE
19-May-2022	5:00	0.4	NE
19-May-2022	6:00	1.3	NE
19-May-2022	7:00	0.9	NE

Date	Time	Wind Speed m/s	Direction
19-May-2022	8:00	0.9	NE
19-May-2022	9:00	1.3	NE
19-May-2022	10:00	0.9	NE
19-May-2022	11:00	0.4	NE
19-May-2022	12:00	0.4	WSW
19-May-2022	13:00	0.4	W
19-May-2022	14:00	0.0	W
19-May-2022	15:00	0.0	
19-May-2022	16:00	0.0	
19-May-2022	17:00	0.0	
19-May-2022	18:00	0.0	
19-May-2022	19:00	0.0	
19-May-2022	20:00	0.0	
19-May-2022	21:00	0.0	
19-May-2022	22:00	0.0	
19-May-2022	23:00	0.0	
20-May-2022	0:00	0.0	W
20-May-2022	1:00	0.0	W
20-May-2022	2:00	0.0	
20-May-2022	3:00	0.0	NF
20 May 2022	4:00	0.0	NE
20 May 2022	5:00	0.0	NE
20 May 2022	6:00	0.0	NE
20 May 2022	7:00	0.0	WSW
20-May-2022	8:00	0.0	WNW
20-May-2022	9:00	0.1	WSW
20-May-2022	10:00	0.1	SW
20-May-2022	11:00	0.4	SSW
20-May-2022	12:00	0.1	SW
20-May-2022	13:00	0.4	SSW
20-May-2022	14:00	0.4	SSW
20-May-2022	15:00	0.4	SW
20-May-2022	16:00	0.4	SSW
20-May-2022	17:00	0.4	SSW
20-May-2022	18:00	0.4	SSW
20-May-2022	19:00	0.9	SW
20-May-2022	20:00	0.4	SW
20-May-2022	21:00	1.8	SSW
20-May-2022	22:00	0.9	SW
20-Mav-2022	23:00	0.4	SW
21-May-2022	0:00	0.9	SSW
21-May-2022	1:00	0.9	SW
21-Mav-2022	2:00	1.3	SW
21-May-2022	3:00	0.9	SW
21-Mav-2022	4:00	0.9	SW
21-May-2022	5:00	0.9	SW
21-May-2022	6:00	0.9	WSW
21-Mav-2022	7:00	0.9	SSW
21-May-2022	8:00	0.9	SSW
21-May-2022	9:00	1.3	SW
21-May-2022	10:00	0.9	WNW
21-May-2022	11:00	1.3	SW
21-May-2022	12:00	1.3	SSW
21-May-2022	13:00	0.9	SW
21-May-2022	14:00	0.9	SSW

Date	Time	Wind Speed m/s	Direction
21-May-2022	15:00	0.9	SW
21-May-2022	16:00	1.8	SSW
21-May-2022	17:00	1.3	SW
21-May-2022	18:00	0.9	SSW
21-May-2022	19:00	1.8	SSW
21-May-2022	20:00	1.3	SW
21-May-2022	21:00	0.9	SW
21-May-2022	22:00	0.4	SW
21-May-2022	23:00	0.4	SSW
22-May-2022	0:00	0.4	SSW
22-May-2022	1:00	0.9	SSW
22-May-2022	2:00	0.9	SSW
22-May-2022	3:00	0.9	SW
22-May-2022	4:00	1.3	WSW
22-May-2022	5:00	1.3	SW
22-May-2022	6:00	1.3	SW
22-May-2022	7:00	0.9	SW
22-May-2022	8:00	0.4	SW
22 May 2022	9:00	0.4	SW
22-May-2022	10:00	0.0	SW
22-May-2022	11:00	0.1	WSW
22 May 2022	12:00	0.4	SW
22 May 2022	12:00	0.4	SW
22 May 2022	14:00	13	SSW
22-May-2022	15:00	0.9	SSW
22-May-2022	16:00	0.0	SSW
22 May 2022	17:00	0.4	SSW
22 May 2022	18:00	0.4	85W
22-May-2022	10:00	0.4	000 SSW/
22 May 2022	20:00	0.0	SSW
22 May 2022	21:00	0.0	SSW
22-May-2022	21:00	0.9	SW
22-May-2022	23:00	0.0	SSW
23-May-2022	0:00	0.0	SSW
23-May-2022	1:00	0.0	SW
23-May-2022	2:00	1.3	SSW
23-May-2022	3:00	0.9	SW
23-May-2022	4:00	13	SW
23-May-2022	5:00	0.9	SSW
23-May-2022	6:00	13	SW
23-May-2022	7:00	1.3	SSW
23-May-2022	8:00	0.9	SSW
23-May-2022	9:00	0.4	SSW
23-May-2022	10.00	0.4	WSW
23-May-2022	11:00	0.4	SSW
23-May-2022	12:00	0.4	.SW
23-May-2022	13.00	0.4	SSW
23-May-2022	14.00	0.0	SSW
23-May-2022	15:00	0.0	SSW
23-May-2022	16:00	0.0	SSW
23-May-2022	17:00	0.0	WSW
23-May-2022	18.00	0.0	W22
23-May-2022	19.00	0.7	SSW
23-May-2022	20:00	0.0	SSW
23-May-2022	21:00	0.0	SSW
		010	

Date	Time	Wind Speed m/s	Direction
23-May-2022	22:00	0.0	SSW
23-May-2022	23:00	0.0	SSW
24-May-2022	0:00	0.0	
24-May-2022	1:00	0.0	W
24-May-2022	2:00	0.0	SSW
24-May-2022	3:00	0.0	SW
24-May-2022	4:00	0.0	SSW
24-May-2022	5:00	0.0	SSW
24-May-2022	6:00	0.0	SW
24-May-2022	7:00	0.0	SW
24 May 2022	8:00	0.0	SSE
24-May-2022	0.00	0.0	
24-May-2022	10:00	0.4	WNW
24-May-2022	11:00	0.4	S\M
24-Way-2022	12:00	0.0	90W/
24-101ay-2022	12:00	0.4	<u> </u>
24-101ay-2022	13.00	0.0	300
24-iviay-2022	14.00	0.0	
24-IVIAY-2022	15:00	0.0	010/
24-May-2022	16:00	0.0	SW
24-May-2022	17:00	0.0	55W
24-May-2022	18:00	0.0	500
24-May-2022	19:00	0.0	
24-May-2022	20:00	0.0	SW
24-May-2022	21:00	0.0	
24-May-2022	22:00	0.0	
24-May-2022	23:00	0.0	
25-May-2022	0:00	0.0	W
25-May-2022	1:00	0.0	SSW
25-May-2022	2:00	0.0	SW
25-May-2022	3:00	0.0	SSW
25-May-2022	4:00	0.0	SW
25-May-2022	5:00	0.9	SW
25-May-2022	6:00	0.4	W
25-May-2022	7:00	0.4	SSW
25-May-2022	8:00	0.9	WNW
25-May-2022	9:00	0.4	W
25-May-2022	10:00	0.4	WNW
25-May-2022	11:00	0.0	SSW
25-May-2022	12:00	0.0	SSW
25-May-2022	13:00	0.0	SW
25-May-2022	14:00	0.0	W
25-May-2022	15:00	0.0	W
25-May-2022	16:00	0.0	WSW
25-May-2022	17:00	0.0	WSW
25-May-2022	18:00	0.0	
25-May-2022	19:00	0.0	
25-May-2022	20:00	0.0	
25-May-2022	21:00	0.4	W
25-May-2022	22:00	0.0	W
25-May-2022	23:00	0.9	W
26-May-2022	0:00	0.4	W
26-May-2022	1:00	0.9	W
26-May-2022	2:00	0.0	WSW
26-May-2022	3:00	0.0	WSW
26-May-2022	4:00	0.0	NNE

Date	Time	Wind Speed m/s	Direction
26-May-2022	5:00	0.0	NNE
26-May-2022	6:00	0.0	SSW
26-May-2022	7:00	0.0	W
26-May-2022	8:00	0.0	W
26-May-2022	9:00	0.4	W
26-May-2022	10:00	0.0	
26-May-2022	11:00	0.0	SSW
26-May-2022	12:00	0.0	
26-May-2022	13:00	0.0	
26-May-2022	14:00	0.0	SSW
26-May-2022	15:00	0.0	W
26-May-2022	16:00	0.0	W
26-May-2022	17:00	0.0	WSW
26-May 2022	18:00	0.0	WSW
20-May-2022	10:00	0.0	\\/
20-May-2022	20:00	0.0	VV
20-1viay-2022	20.00	0.0	 NI\\/
20-1viay-2022	21.00	0.0	
20-1Vlay-2022	22.00	0.0	
20-IVIAy-2022	23.00	0.0	
27-IVIay-2022	0.00	0.0	
27-May-2022	1:00	0.0	
27-May-2022	2:00	0.0	ININE
27-May-2022	3:00	0.0	NNE
27-May-2022	4:00	0.4	NNE
27-May-2022	5:00	0.9	NNE
27-May-2022	6:00	0.9	NNE
27-May-2022	7:00	0.9	NNE
27-May-2022	8:00	0.9	NNE
27-May-2022	9:00	0.9	NNE
27-May-2022	10:00	0.9	NNE
27-May-2022	11:00	0.9	NNE
27-May-2022	12:00	0.0	NNE
27-May-2022	13:00	0.0	<u>N</u>
27-May-2022	14:00	0.0	NNW
27-May-2022	15:00	0.0	NNW
27-May-2022	16:00	0.0	WNW
27-May-2022	17:00	0.0	
27-May-2022	18:00	0.0	WNW
27-May-2022	19:00	0.0	WNW
27-May-2022	20:00	0.0	NE
27-May-2022	21:00	0.0	NNE
27-May-2022	22:00	0.0	NNE
27-May-2022	23:00	0.0	NNE
28-May-2022	0:00	0.0	NNE
28-May-2022	1:00	0.0	NW
28-May-2022	2:00	0.0	W
28-May-2022	3:00	0.4	NNE
28-May-2022	4:00	1.3	NE
28-May-2022	5:00	0.4	NNE
28-May-2022	6:00	0.9	NE
28-May-2022	7:00	0.4	NNE
28-May-2022	8:00	0.4	NE
28-May-2022	9:00	0.9	NE
28-May-2022	10:00	0.4	NE
28-May-2022	11:00	0.4	NE

28-May-2022         12:00         0.0         NE           28-May-2022         13:00         0.0         WW           28-May-2022         15:00         0.0         WSW           28-May-2022         16:00         0.0         SW           28-May-2022         17:00         0.0         WSW           28-May-2022         18:00         0.0            28-May-2022         20:00         0.0            28-May-2022         20:00         0.0            28-May-2022         21:00         0.0         WSW           28-May-2022         20:00         0.0         W           28-May-2022         20:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         FSE           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW	Date	Time	Wind Speed m/s	Direction
28-May-2022         13:00         0.0         WNW           28-May-2022         14:00         0.0         W           28-May-2022         15:00         0.0         WSW           28-May-2022         16:00         0.0         WSW           28-May-2022         18:00         0.0         WSW           28-May-2022         19:00         0.0            28-May-2022         21:00         0.0         WSW           28-May-2022         21:00         0.0         WSW           28-May-2022         21:00         0.0         WSW           28-May-2022         21:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         3:00         0.0            29-May-2022         5:00         0.0            29-May-2022         7:00         0.0         SSW           29-May-2022         10:00         0.0         SSW           29-May-2022         10:00         0.0         SSW           29-May-2022         10:00         0.0         SSW	28-May-2022	12:00	0.0	NE
28-May-2022         14:00         0.0         W           28-May-2022         15:00         0.0         WSW           28-May-2022         17:00         0.0         WSW           28-May-2022         18:00         0.0            28-May-2022         19:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         20:00         0.0         WSW           28-May-2022         20:00         0.0         WSW           28-May-2022         20:00         0.0         W           28-May-2022         20:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         ESE           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           2	28-May-2022	13:00	0.0	WNW
28-May-2022         15:00         0.0         WSW           28-May-2022         16:00         0.0         SW           28-May-2022         18:00         0.0            28-May-2022         18:00         0.0            28-May-2022         20:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         21:00         0.0         W           28-May-2022         20:00         0.0         W           28-May-2022         20:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         NE           29-May-2022         5:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         0:00         0.0         SSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         SW	28-May-2022	14:00	0.0	W
28-May-2022         16:00         0.0         SW           28-May-2022         17:00         0.0         WSW           28-May-2022         19:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         21:00         0.0         WSW           28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         10:0         0.0         W           29-May-2022         10:0         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         3:00         0.0         SSW           29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         SSW           29-May-2022         0:00         0.4         SW           29-May-2022         9:00         0.4         SW           29-May-2022         10:00         0.0         SW           29-May-2022         10:00         0.0         SW           29-May-2022         10:00         0.0         SW           29-May-202	28-May-2022	15:00	0.0	WSW
28-May-2022         17:00         0.0         WSW           28-May-2022         18:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         21:00         0.0            28-May-2022         21:00         0.0         W           28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         SSW           29-May-2022         1:00         0.0         NE           29-May-2022         5:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         10:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-M	28-May-2022	16:00	0.0	SW
28-May-2022         18:00         0.0            28-May-2022         19:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           28-May-2022         0:00         0.0         W           29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         WSW           29-May-2022         1:00         0.0         SW           29-May-2022         1:00         0.0         SW           29-May-2022         1:00         0.0         SW           29-May-2022<	28-May-2022	17:00	0.0	WSW
28-May-2022         19:00         0.0            28-May-2022         20:00         0.0         WSW           28-May-2022         21:00         0.0            28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         NE           29-May-2022         3:00         0.0         NE           29-May-2022         5:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         16:00         0.0            29-M	28-May-2022	18:00	0.0	
28-May-2022         20:00         0.0         WSW           28-May-2022         21:00         0.0            28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         N           29-May-2022         3:00         0.0         NE           29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         SW           29-May-2022         7:00         0.0         WSW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         SW           29-May-2022         10:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         16:00         0.0            29-May-20	28-May-2022	19:00	0.0	
28-May-2022         21:00         0.0            28-May-2022         22:00         0.0         W           29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SWW           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         SSW           29-May-2022         4:00         0.0            29-May-2022         6:00         0.0         ESE           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         WSW           29-May-2022         0:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         16:00         0.0            29-May-	28-May-2022	20:00	0.0	WSW
28-May-2022         22:00         0.0         W           28-May-2022         23:00         0.0         W           29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         4:00         0.0            29-May-2022         5:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         7:00         0.0         WSW           29-May-2022         9:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         15:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         18:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022<	28-May-2022	21:00	0.0	
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29-May-2022         0:00         0.0         W           29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         5:00         0.0         E           29-May-2022         6:00         0.0         E           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         8:00         0.4         SW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         15:00         0.0            29-May-2022         16:00         0.0            29-May-2022         18:00         0.0         W           29-May-2022         20:00         0.0         W           29-May-2022<	28-May-2022	23:00	0.0	W
29-May-2022         1:00         0.0         SSW           29-May-2022         2:00         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         4:00         0.0            29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         SWW           29-May-2022         7:00         0.0         WSW           29-May-2022         8:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         13:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         17:00         0.0            29-May-2022         18:00         0.0         W         29-May-2022           2100         0.0         W         29-May-2022         2:00         0.0            29-May-2022	29-May-2022	0.00	0.0	W
29-May-2022         2:00         0.0         SSW           29-May-2022         3:00         0.0         NE           29-May-2022         4:00         0.0            29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         ESE           29-May-2022         6:00         0.0         WSW           29-May-2022         8:00         0.4         SW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         15:00         0.0         WSW           29-May-2022         16:00         0.0            29-May-2022         18:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022         20:00         0.0            29-Ma	29-May-2022	1:00	0.0	SSW
20-May-2022         3:00         0.0         NE           29-May-2022         4:00         0.0            29-May-2022         5:00         0.0         ESE           29-May-2022         6:00         0.0         SSW           29-May-2022         6:00         0.0         SSW           29-May-2022         8:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         13:00         0.0         SW           29-May-2022         15:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         17:00         0.0            29-May-2022         18:00         0.0         W         29-May-2022           29-May-2022         19:00         0.0         W         29-May-2022         20:00         0.0           29-May-2022         20:00         0.0         W         30-May-2022         20:	29-May-2022	2:00	0.0	SSW
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29-May-2022         5:00         0.0         ESE           29-May-2022         5:00         0.0         SSW           29-May-2022         7:00         0.0         WSW           29-May-2022         8:00         0.4         SW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         12:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         16:00         0.0         WSW           29-May-2022         16:00         0.0            29-May-2022         16:00         0.0            29-May-2022         19:00         0.0         W            29-May-2022         19:00         0.0         W            29-May-2022         20:00         0.0         W            29-May-2022         20:00         0.0             29-May-2022         20:00	20-May-2022	4:00	0.0	
29-May-2022         5.00         0.0         LSL           29-May-2022         6:00         0.0         SSW           29-May-2022         8:00         0.4         SW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         12:00         0.0         WSW           29-May-2022         13:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         18:00         0.0            29-May-2022         18:00         0.0         W         W           29-May-2022         19:00         0.0         W         W         W           29-May-2022         18:00         0.0         W         W         W         W           29-May-2022         10:00         0.0          29-May-2022         2:00         0.0            29-May-2022	29-May-2022	<del>4</del> .00	0.0	
29-May-2022         0.00         0.0         SSW           29-May-2022         7:00         0.0         WSW           29-May-2022         9:00         0.4         SW           29-May-2022         10:00         0.0         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         16:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         16:00         0.0            29-May-2022         18:00         0.0            29-May-2022         19:00         0.0         W            29-May-2022         20:00         0.0         W            29-May-2022         21:00         0.0         W            29-May-2022         20:00         0.0         W            29-May-2022         20:00         0.0         W            2	20-May 2022	6.00	0.0	
29-May-2022         7.00         0.0         W3W           29-May-2022         8:00         0.4         SW           29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         12:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         16:00         0.0         SW           29-May-2022         16:00         0.0            29-May-2022         17:00         0.0            29-May-2022         17:00         0.0            29-May-2022         18:00         0.0         W            29-May-2022         19:00         0.0         W            29-May-2022         20:00         0.0         W            29-May-2022         21:00         0.0         W            29-May-2022         20:00         0.0             29-May-2022         20:00         0.0 <tr< td=""><td>29-May-2022</td><td>7:00</td><td>0.0</td><td></td></tr<>	29-May-2022	7:00	0.0	
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29-May-2022         9:00         0.4         WSW           29-May-2022         10:00         0.0         WSW           29-May-2022         11:00         0.0         WSW           29-May-2022         12:00         0.0         SW           29-May-2022         13:00         0.0         SW           29-May-2022         14:00         0.0         SW           29-May-2022         15:00         0.0         WSW           29-May-2022         16:00         0.0            29-May-2022         18:00         0.0            29-May-2022         19:00         0.0         W         W           29-May-2022         19:00         0.0         W         W           29-May-2022         10:00         0.0         W         W           29-May-2022         20:00         0.0         W         W           29-May-2022         20:00         0.0          W           29-May-2022         20:00         0.0          W         W           29-May-2022         20:00         0.0          SW         SW         SW           30-May-2022	29-May-2022	8:00	0.4	500
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29-May-2022         16:00         0.0            29-May-2022         17:00         0.0            29-May-2022         18:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022         20:00         0.0         W           29-May-2022         21:00         0.0         W           29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W            30-May-2022         1:00         0.9         W            30-May-2022         2:00         0.0         SSW         30-May-2022         3:00         0.0         SSW           30-May-2022         3:00         0.4         NE         30-May-2022         5:00         0.9         NE           30-May-2022         5:00         0.4         NE         30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE         30-May-2022         10:00	29-May-2022	15:00	0.0	WSW
29-May-2022         17:00         0.0            29-May-2022         18:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022         20:00         0.0         W           29-May-2022         21:00         0.0         W           29-May-2022         21:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         1:00         0.9         W           30-May-2022         3:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022 </td <td>29-May-2022</td> <td>16:00</td> <td>0.0</td> <td></td>	29-May-2022	16:00	0.0	
29-May-2022         18:00         0.0         W           29-May-2022         19:00         0.0         W           29-May-2022         20:00         0.0         W           29-May-2022         21:00         0.0         W           29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         5:00         0.9         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022<	29-May-2022	17:00	0.0	
29-May-2022         19:00         0.0         W           29-May-2022         20:00         0.0         W           29-May-2022         21:00         0.0         W           29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         5:00         0.9         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         12:00         0.0         NE           30-May-2022	29-May-2022	18:00	0.0	W
29-May-2022         20:00         0.0         W           29-May-2022         21:00         0.0         W           29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NRE           30-May-2022         10:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022 <td>29-May-2022</td> <td>19:00</td> <td>0.0</td> <td>W</td>	29-May-2022	19:00	0.0	W
29-May-2022         21:00         0.0         W           29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022<	29-May-2022	20:00	0.0	W
29-May-2022         22:00         0.0            29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         12:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022	29-May-2022	21:00	0.0	W
29-May-2022         23:00         0.0            30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0            30-May-2022         15:00         0.0         W           30-May-2022 </td <td>29-May-2022</td> <td>22:00</td> <td>0.0</td> <td></td>	29-May-2022	22:00	0.0	
30-May-2022         0:00         0.0         W           30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         W           30-May-2022 <td>29-May-2022</td> <td>23:00</td> <td>0.0</td> <td></td>	29-May-2022	23:00	0.0	
30-May-2022         1:00         0.9         W           30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         12:00         0.0         NE           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-202	30-May-2022	0:00	0.0	W
30-May-2022         2:00         0.0         WSW           30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0            30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W	30-May-2022	1:00	0.9	W
30-May-2022         3:00         0.0         SSW           30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W	30-May-2022	2:00	0.0	WSW
30-May-2022         4:00         0.0         SSW           30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NE           30-May-2022         9:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W	30-May-2022	3:00	0.0	SSW
30-May-2022         5:00         0.9         NE           30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         NWW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W	30-May-2022	4:00	0.0	SSW
30-May-2022         6:00         1.8         NE           30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W	30-May-2022	5:00	0.9	NE
30-May-2022         7:00         0.4         NE           30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	6:00	1.8	NE
30-May-2022         8:00         0.4         NE           30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	7:00	0.4	NE
30-May-2022         9:00         0.0         NNE           30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	8:00	0.4	NE
30-May-2022         10:00         0.0         NE           30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         WNW           30-May-2022         18:00         0.4         W	30-May-2022	9:00	0.0	NNE
30-May-2022         11:00         0.0         NE           30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	10:00	0.0	NE
30-May-2022         12:00         0.0         N           30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	11:00	0.0	NE
30-May-2022         13:00         0.0         WNW           30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         18:00         0.4         W	30-May-2022	12:00	0.0	N
30-May-2022         14:00         0.0            30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W           30-May-2022         18:00         0.4         W	30-May-2022	13:00	0.0	WNW
30-May-2022         15:00         0.0         WNW           30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W           30-May-2022         18:00         0.4         W	30-May-2022	14:00	0.0	
30-May-2022         16:00         0.0         W           30-May-2022         17:00         0.4         W           30-May-2022         18:00         0.4         W	30-Mav-2022	15:00	0.0	WNW
30-May-2022         17:00         0.4         W           30-May-2022         18:00         0.4         W	30-Mav-2022	16:00	0.0	W
30-May-2022 18:00 0.4 W	30-Mav-2022	17:00	0.4	Ŵ
	30-May-2022	18:00	0.4	W

Date	Time	Wind Speed m/s	Direction
30-May-2022	19:00	0.0	
30-May-2022	20:00	0.0	WSW
30-May-2022	21:00	0.0	
30-May-2022	22:00	0.4	W
30-May-2022	23:00	0.9	W
31-May-2022	0:00	0.0	W
31-May-2022	1:00	0.0	W
31-May-2022	2:00	0.0	WSW
31-May-2022	3:00	0.4	NE
31-May-2022	4:00	0.4	NNE
31-May-2022	5:00	0.9	NE
31-May-2022	6:00	0.9	NNE
31-May-2022	7:00	0.4	NNE
31-May-2022	8:00	0.0	NE
31-May-2022	9:00	0.0	NNE
31-May-2022	10:00	0.0	NNE
31-May-2022	11:00	0.0	NW
31-May-2022	12:00	0.0	NE
31-May-2022	13:00	0.0	NNE
31-May-2022	14:00	0.0	NNE
31-May-2022	15:00	0.0	
31-May-2022	16:00	0.0	
31-May-2022	17:00	0.0	Ν
31-May-2022	18:00	0.0	NW
31-May-2022	19:00	0.0	
31-May-2022	20:00	0.0	NE
31-May-2022	21:00	0.0	WNW
31-May-2022	22:00	0.0	WNW
31-May-2022	23:00	0.0	

1-Jun-2022         0:00         0.9         SSW           1-Jun-2022         1:00         0.4         SSW           1-Jun-2022         2:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         5:00         0.0         WSW           1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         1:00         0.4         SSW           1-Jun-2022         2:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         4:00         0.0         WSW           1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         2:00         0.4         SSW           1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         4:00         0.0         WSW           1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         8:00         0.0         SW	
1-Jun-2022         3:00         0.4         SSW           1-Jun-2022         4:00         0.0         WSW           1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         4:00         0.0         WSW           1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         5:00         0.0         SSW           1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         6:00         0.0         SW           1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022         7:00         0.0         SW           1-Jun-2022         8:00         0.0         W	
1-Jun-2022 8:00 0.0 W	
0.00 0.00 0.00	1
1-lun-2022 9:00 0.4 W	1
1- lup-2022 10:00 0.4 W	1
1-Jun-2022 10:00 0.0 VV	1
1-Jun-2022 11:00 0.4 SSW	1
1-Jun-2022 12:00 0.4 0000	
1 lup 2022 14:00 0.9 WSW	1
1-Juli-2022 14.00 0.9 WINN	1
1-Juli-2022 15.00 0.9 WINN	
1-Juli-2022 10.00 0.9 W	
1-JUII-2022 17:00 0.4 W	
1-Jun-2022 18:00 0.0 SW	
1-Jun-2022 19:00 0.0 SW	
1-Jun-2022 20:00 0.0 N	
1-Jun-2022 21:00 0.0 ENE	
1-Jun-2022 22:00 0.0 NW	
1-Jun-2022 23:00 0.4 W	
2-Jun-2022 0:00 0.0 NNW	
2-Jun-2022 1:00 0.0 N	
2-Jun-2022 2:00 0.0 SW	
2-Jun-2022 3:00 0.0 SW	
2-Jun-2022 4:00 0.0 WSW	/
2-Jun-2022 5:00 0.0 W	
2-Jun-2022 6:00 0.4 SW	
2-Jun-2022 7:00 0.0 WSW	/
2-Jun-2022 8:00 0.0 SW	
2-Jun-2022 9:00 0.4 SSW	
2-Jun-2022 10:00 0.4 WSW	/
2-Jun-2022 11:00 0.4 WSW	/
2-Jun-2022 12:00 0.4 WSW	1
2-Jun-2022 13:00 0.4 NNE	
2-Jun-2022 14:00 0.4 NNE	
2-Jun-2022 15:00 0.4 NW	
2-Jun-2022 16:00 0.0 NNW	1
2-Jun-2022 17:00 0.0 NW	
2-Jun-2022 18:00 0.0 NNE	
2-Jun-2022 19:00 0.0	
2-Jun-2022 20:00 0.0	
2-Jun-2022 21:00 0.0 WNW	1
2-Jun-2022 22:00 0.9 W	
2-Jun-2022 23:00 0.0 WSW	/
3-Jun-2022 0:00 0.0 W	
3-Jun-2022 1:00 0.4 W	
3-Jun-2022 2:00 0.0 W	
3-Jun-2022 3:00 0.0 W	
3-Jun-2022 4:00 0.0 W	
3-Jun-2022 5:00 0.4 W	
3-Jun-2022 6:00 0.4 W	

Date	Time	Wind Speed m/s	Direction
3-Jun-2022	7:00	0.4	W
3-Jun-2022	8:00	0.0	SSW
3-Jun-2022	9:00	0.0	SSE
3-Jun-2022	10:00	0.0	ENE
3-Jun-2022	11:00	0.0	NE
3-Jun-2022	12:00	0.4	NE
3-Jun-2022	13:00	0.4	NE
3-Jun-2022	14:00	0.4	NE
3-Jun-2022	15:00	0.4	NE
3-Jun-2022	16:00	0.0	NE
3- lun-2022	17:00	0.0	NE
3- Jun-2022	18:00	0.4	NE
3- Jun-2022	10:00	0.4	NE
3- Jun-2022	20:00	0.0	NE
3 Jun 2022	20.00	0.0	
3-Jun 2022	21.00	0.0	
3-Jun-2022	22.00	0.0	
3-JUII-2022	23.00	0.0	
4-JUN-2022	0:00	0.0	
4-Jun-2022	1:00	0.0	ININE
4-Jun-2022	2:00	0.0	ININE
4-Jun-2022	3:00	0.0	
4-Jun-2022	4:00	0.0	
4-Jun-2022	5:00	0.0	N
4-Jun-2022	6:00	0.0	N
4-Jun-2022	7:00	0.4	W
4-Jun-2022	8:00	0.9	W
4-Jun-2022	9:00	0.4	W
4-Jun-2022	10:00	0.0	W
4-Jun-2022	11:00	0.0	NE
4-Jun-2022	12:00	0.0	NE
4-Jun-2022	13:00	0.4	NE
4-Jun-2022	14:00	0.0	NE
4-Jun-2022	15:00	0.0	ENE
4-Jun-2022	16:00	0.0	SSE
4-Jun-2022	17:00	0.0	NNW
4-Jun-2022	18:00	0.0	SSE
4-Jun-2022	19:00	0.0	SSE
4-Jun-2022	20:00	0.0	SSE
4-Jun-2022	21:00	0.0	S
4-Jun-2022	22:00	0.0	SSE
4-Jun-2022	23:00	0.0	SSE
5-Jun-2022	0:00	0.0	SSE
5-Jun-2022	1:00	0.0	S
5-Jun-2022	2:00	0.0	S
5-Jun-2022	3:00	0.0	S
5-Jun-2022	4:00	0.0	
5-Jun-2022	5:00	0.0	SSE
5-Jun-2022	6:00	0.0	SE
5-Jun-2022	7:00	0.0	SSE
5-Jun-2022	8:00	0.0	SSE
5-Jun-2022	9:00	0.4	SSE
5-Jun-2022	10:00	0.0	SSE
5-Jun-2022	11:00	0.0	ESE
5-Jun-2022	12:00	0.0	ESE
5-Jun-2022	13:00	0.0	NE
			••=

Date	Time	Wind Speed m/s	Direction
5-Jun-2022	14:00	0.0	NE
5-Jun-2022	15:00	0.0	NE
5-Jun-2022	16:00	0.4	NE
5-Jun-2022	17:00	0.0	NE
5-Jun-2022	18:00	0.0	NE
5-Jun-2022	19:00	0.0	NNE
5-Jun-2022	20:00	0.0	NNE
5-Jun-2022	21:00	0.0	NNE
5-Jun-2022	22:00	0.0	
5-Jun-2022	23:00	0.0	
6-Jun-2022	0:00	0.0	
6-Jun-2022	1:00	0.0	
6-Jun-2022	2:00	0.0	
6-Jun-2022	3:00	0.0	NNE
6-Jun-2022	4:00	0.0	
6-Jun-2022	5:00	0.0	
6-Jun-2022	6:00	0.0	
6-Jun-2022	7:00	0.0	
6-Jun-2022	8:00	0.0	
6-Jun-2022	9:00	0.0	
6-Jun-2022	10.00	0.0	SF
6-Jun-2022	11:00	0.0	SSW
6-Jun-2022	12:00	0.0	FNF
6-Jun-2022	13:00	0.0	FNF
6-Jun-2022	14:00	0.0	SSW
6-Jun-2022	15:00	0.0	NF
6-Jun-2022	16:00	0.0	NE
6-Jun-2022	17:00	0.4	W
6-Jun-2022	18:00	0.4	W
6-Jun-2022	19:00	0.9	SSW
6-Jun-2022	20:00	0.4	SW
6-Jun-2022	21:00	0.9	SSW
6-Jun-2022	22:00	1.3	SSW
6-Jun-2022	23:00	1.3	WSW
7-Jun-2022	0:00	1.3	SSW
7-Jun-2022	1:00	0.4	SSW
7-Jun-2022	2:00	0.9	SSW
7-Jun-2022	3:00	0.9	SSW
7-Jun-2022	4:00	0.4	SSW
7-Jun-2022	5:00	0.9	SSW
7-Jun-2022	6:00	0.9	SSW
7-Jun-2022	7:00	0.9	WSW
7-Jun-2022	8:00	0.4	WSW
7-Jun-2022	9:00	0.9	SSW
7-Jun-2022	10:00	1.3	SSW
7-Jun-2022	11:00	0.9	SSW
7-Jun-2022	12:00	1.3	SSW
7-Jun-2022	13:00	1.3	SW
7-Jun-2022	14:00	1.3	SSW
7-Jun-2022	15:00	1.3	SW
7-Jun-2022	16:00	1.3	SW
7-Jun-2022	17:00	1.3	WSW
7-Jun-2022	18:00	0.9	SSW
7-Jun-2022	19:00	1.3	SSW
7-Jun-2022	20:00	1.3	SW
Date	Time	Wind Speed m/s	Direction
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7-Jun-2022	21:00	0.4	SSW
7-Jun-2022	22:00	1.3	SSW
7-Jun-2022	23:00	1.3	SSW
8-Jun-2022	0:00	0.9	SSW
8-Jun-2022	1:00	0.4	SSW
8-Jun-2022	2:00	0.4	SSW
8-Jun-2022	3:00	0.1	SSW
8- Jun-2022	4:00	0.1	SSW
8- Jun-2022	5:00	0.0	WSW
8- Jun-2022	6:00	0.0	WSW
0-Jun 2022	7:00	0.4	1//S///
0-Jun 2022	7.00	0.4	0000 0010/
0-Jun 2022	0:00	0.0	55W
0-Jun 2022	9.00	0.4	33W
8-Jun-2022	10:00	0.9	55W
8-Jun-2022	11:00	0.9	55W
8-Jun-2022	12:00	0.9	SSW
8-Jun-2022	13:00	0.4	SSW
8-Jun-2022	14:00	0.9	SSW
8-Jun-2022	15:00	0.4	W
8-Jun-2022	16:00	0.0	NNE
8-Jun-2022	17:00	0.4	W
8-Jun-2022	18:00	0.9	WNW
8-Jun-2022	19:00	0.9	SSW
8-Jun-2022	20:00	1.3	SSW
8-Jun-2022	21:00	0.9	SSW
8-Jun-2022	22:00	0.4	SSW
8-Jun-2022	23:00	0.4	SSW
9-Jun-2022	0:00	0.4	SSW
9-Jun-2022	1:00	0.4	SW
9-Jun-2022	2:00	0.9	SSW
9-Jun-2022	3:00	0.4	SSW
9-Jun-2022	4:00	0.4	SSW
9-Jun-2022	5:00	0.4	SSW
9-Jun-2022	6:00	0.9	WSW
9-Jun-2022	7:00	0.9	WSW
9-Jun-2022	8:00	0.9	SSW
9-Jun-2022	9:00	1.3	SSW
9-Jun-2022	10.00	0.4	SW
9-Jun-2022	11:00	0.9	WSW
9-Jun-2022	12:00	13	SW
9-Jun-2022	13:00	0.4	WSW
9-Jun-2022	14.00	0.4	W/
9- lup-2022	15:00	0.4	\//NI\//
9-Jun-2022	10.00	0.4	\\/\
0_ lup 2022	17.00	0.4	\\/Q\\/
9-Jui-2022	12:00	0.9	003VV 001//
9-JUII-2022	10.00	1.3	00VV
9-JUII-2022	19.00	0.4	0000
9-JUII-2022	20:00	1.3	55W
9-Jun-2022	21:00	0.9	55W
9-Jun-2022	22:00	0.4	SSW
9-Jun-2022	23:00	0.9	55W
10-Jun-2022	0:00	0.4	SSW
10-Jun-2022	1:00	0.4	SSW
10-Jun-2022	2:00	0.4	SSW
10-Jun-2022	3:00	0.0	SSW

Date	Time	Wind Speed m/s	Direction
10-Jun-2022	4:00	0.4	SSW
10-Jun-2022	5:00	0.0	WSW
10-Jun-2022	6:00	0.4	WSW
10-Jun-2022	7:00	0.4	SSW
10-Jun-2022	8:00	1.3	SSW
10-Jun-2022	9.00	13	SSW
10-Jun-2022	10:00	1.3	SSW
10-Jun-2022	11:00	1.3	SSW
10-Jun-2022	12:00	1.3	SSW
10-Jun-2022	13:00	1.8	SW
10 Jun-2022	14:00	1.0	55W/
10-Jun-2022	15:00	1.0	SW/
10-Jun-2022	16:00	1.0	000 SSW
10-Jun-2022	17:00	1.0	SSW/
10-Jun-2022	17:00	1.0	<u> </u>
10-Jun-2022	10:00	1.3	
10-Jun-2022	19.00	1.3	<u> </u>
10-Jun-2022	20.00	0.9	
10-JUN-2022	21:00	1.3	<u> </u>
10-Jun-2022	22:00	1.3	500
10-Jun-2022	23:00	0.9	WSW OOW
11-Jun-2022	0:00	0.9	SSW
11-Jun-2022	1:00	1.3	SW
11-Jun-2022	2:00	1.3	SSW
11-Jun-2022	3:00	1.3	SSW
11-Jun-2022	4:00	1.3	SSW
11-Jun-2022	5:00	1.3	WSW
11-Jun-2022	6:00	1.3	SW
11-Jun-2022	7:00	1.3	WSW
11-Jun-2022	8:00	0.9	WSW
11-Jun-2022	9:00	1.3	SW
11-Jun-2022	10:00	1.3	SSW
11-Jun-2022	11:00	1.8	SSW
11-Jun-2022	12:00	1.8	SSW
11-Jun-2022	13:00	1.3	SSW
11-Jun-2022	14:00	2.2	SSW
11-Jun-2022	15:00	2.2	SW
11-Jun-2022	16:00	2.7	SSW
11-Jun-2022	17:00	2.2	SSW
11-Jun-2022	18:00	2.2	SSW
11-Jun-2022	19:00	2.2	SSW
11-Jun-2022	20:00	1.8	SSW
11-Jun-2022	21:00	1.8	SSW
11-Jun-2022	22:00	1.8	SW
11-Jun-2022	23:00	1.8	SW
12-Jun-2022	0:00	1.8	SSW
12-Jun-2022	1:00	2.2	SSW
12-Jun-2022	2:00	2.2	SSW
12-Jun-2022	3:00	2.2	SSW
12-Jun-2022	4:00	1.8	SSW
12-Jun-2022	5:00	1.3	SW
12-Jun-2022	6:00	0.9	SSW
12-Jun-2022	7:00	1.3	SSW
12-Jun-2022	8:00	1.3	SSW
12-Jun-2022	9:00	0.9	SSW
12-Jun-2022	10:00	0.9	SW
		0.0	

Date	Time	Wind Speed m/s	Direction
12-Jun-2022	11:00	1.3	W
12-Jun-2022	12:00	0.9	SSW
12-Jun-2022	13:00	0.9	SSW
12-Jun-2022	14:00	0.9	WSW
12-Jun-2022	15:00	0.9	W
12-Jun-2022	16:00	0.9	SSW
12-Jun-2022	17:00	0.4	SSW
12-Jun-2022	18:00	0.4	WNW
12-Jun-2022	19:00	0.4	WNW
12-Jun-2022	20:00	0.0	WSW
12 Jun-2022	21:00	0.0	WSW
12-Jun-2022	21:00	0.0	
12-Jun-2022	22:00	0.0	SS/M/
12-Jun 2022	23.00	0.0	0000
13-Jun-2022	0.00	0.0	
13-Jun-2022	1.00	0.0	
13-Jun-2022	2.00	0.0	VV 5VV
13-JUN-2022	3:00	0.0	VV SVV
13-Jun-2022	4:00	0.4	500
13-Jun-2022	5:00	0.0	SSW
13-Jun-2022	6:00	0.0	WSW
13-Jun-2022	7:00	0.0	SW
13-Jun-2022	8:00	0.0	WSW
13-Jun-2022	9:00	0.4	SSW
13-Jun-2022	10:00	0.4	SSW
13-Jun-2022	11:00	0.4	W
13-Jun-2022	12:00	0.9	W
13-Jun-2022	13:00	0.9	WNW
13-Jun-2022	14:00	0.9	WSW
13-Jun-2022	15:00	0.9	W
13-Jun-2022	16:00	1.3	WNW
13-Jun-2022	17:00	0.4	WSW
13-Jun-2022	18:00	0.0	WNW
13-Jun-2022	19:00	0.0	W
13-Jun-2022	20:00	0.0	WSW
13-Jun-2022	21:00	0.0	SW
13-Jun-2022	22:00	0.0	SSW
13-Jun-2022	23:00	0.4	WSW
14-Jun-2022	0:00	0.0	W
14-Jun-2022	1:00	0.0	SW
14-Jun-2022	2:00	0.0	W
14-Jun-2022	3:00	0.0	WSW
14-Jun-2022	4:00	0.0	SW
14-Jun-2022	5:00	0.0	
14-Jun-2022	6:00	0.0	SW
14-Jun-2022	7:00	0.0	N
14-Jun-2022	8:00	0.0	W
14-Jun-2022	9:00	0.0	NE
14-Jun-2022	10:00	0.0	NE
14-Jun-2022	11:00	0.4	NE
14-Jun-2022	12.00	0.4	NF
14-Jun-2022	13:00	0.0	NE
14-Jun-2022	14.00	0.0	NF
14-Jun-2022	15:00	0.4	NF
14-Jun-2022	16:00	0.4	WNW
14-Jun-2022	17:00	0.7	NF
1100112022	11.00	0.0	

Date	Time	Wind Speed m/s	Direction
14-Jun-2022	18:00	0.0	NNE
14-Jun-2022	19:00	0.0	NE
14-Jun-2022	20:00	0.0	NNE
14-Jun-2022	21:00	0.0	NNE
14-Jun-2022	22:00	0.0	WNW
14-Jun-2022	23:00	0.0	W
15-Jun-2022	0:00	0.0	
15-Jun-2022	1:00	0.0	
15-Jun-2022	2:00	0.0	NNE
15-Jun-2022	3:00	0.0	NE
15-Jun-2022	4:00	0.0	
15-Jun-2022	5:00	0.0	NNE
15-Jun-2022	6:00	1.3	W
15-Jun-2022	7:00	0.0	W
15-Jun-2022	8:00	0.0	W
15- Jun-2022	9:00	0.0	
15- Jun-2022	10:00	0.0	WNW
15-Jun-2022	11:00	0.0	NF
15-Jun-2022	12:00	0.7	NF
15-Jun-2022	13:00	0.0	WNW
15- Jun-2022	14:00	0.0	NE
15-Jun-2022	15:00	0.0	NE
15- Jun-2022	16:00	0.0	NE
15-Jun-2022	17:00	0.0	NE
15- Jun-2022	18:00	0.0	NE
15- Jun-2022	19:00	0.0	NE
15-Jun-2022	20:00	0.0	NE
15-Jun-2022	21:00	0.0	NNW
15-Jun-2022	22:00	0.0	NNF
15-Jun-2022	23:00	0.0	ENE
16-Jun-2022	0:00	0.0	ENE
16-Jun-2022	1:00	0.0	N
16-Jun-2022	2:00	0.0	NNE
16-Jun-2022	3:00	0.0	NE
16-Jun-2022	4:00	0.0	NNE
16-Jun-2022	5:00	0.0	
16-Jun-2022	6:00	0.0	
16-Jun-2022	7:00	0.0	WNW
16-Jun-2022	8:00	0.0	NE
16-Jun-2022	9:00	0.0	NE
16-Jun-2022	10:00	0.4	NE
16-Jun-2022	11:00	0.4	NE
16-Jun-2022	12:00	0.4	NE
16-Jun-2022	13:00	0.4	NE
16-Jun-2022	14:00	0.4	NE
16-Jun-2022	15:00	0.4	NE
16-Jun-2022	16:00	0.4	NNE
16-Jun-2022	17:00	0.0	NE
16-Jun-2022	18:00	0.0	NW
16-Jun-2022	19:00	0.0	NW
16-Jun-2022	20:00	0.0	NW
16-Jun-2022	21:00	0.0	NW
16-Jun-2022	22:00	0.0	NNE
16-Jun-2022	23:00	0.0	NNE
17-Jun-2022	0:00	0.0	NNE

Date	Time	Wind Speed m/s	Direction
17-Jun-2022	1:00	0.0	WNW
17-Jun-2022	2:00	0.0	NNE
17-Jun-2022	3:00	0.0	NNE
17-Jun-2022	4:00	0.0	N
17-Jun-2022	5:00	0.0	
17-Jun-2022	6.00	0.0	N
17-Jun-2022	7:00	0.0	
17- Jun-2022	8:00	0.0	
17 Jun-2022	0:00	0.0	
17-Jun-2022	10:00	0.0	
17-Jun-2022	11:00	0.0	
17-Jun-2022	12:00	0.0	
17-Jun-2022	12.00	0.0	
17-Jun-2022	13.00	0.0	
17-Jun-2022	14:00	0.0	NE
17-Jun-2022	15:00	0.4	NE
17-Jun-2022	16:00	0.4	NW
17-Jun-2022	17:00	0.4	NE
17-Jun-2022	18:00	0.4	NE
17-Jun-2022	19:00	0.0	NNE
17-Jun-2022	20:00	0.0	NNE
17-Jun-2022	21:00	0.0	NNE
17-Jun-2022	22:00	0.0	NNE
17-Jun-2022	23:00	0.0	WNW
18-Jun-2022	0:00	0.0	
18-Jun-2022	1:00	0.0	
18-Jun-2022	2:00	0.0	
18-Jun-2022	3:00	0.0	NE
18-Jun-2022	4:00	0.0	NE
18-Jun-2022	5:00	0.0	NE
18-Jun-2022	6:00	0.0	N
18-Jun-2022	7:00	0.0	NE
18-Jun-2022	8:00	0.0	NE
18-Jun-2022	9:00	0.0	NE
18-Jun-2022	10.00	0.4	NE
18-Jun-2022	11:00	0.4	NE
18- Jun-2022	12:00	0.4	NE
18- Jun-2022	13:00	0.0	NE
18- Jun-2022	14:00	0.0	NE
18- Jun-2022	15.00	0.4	NE
18- lun-2022	16.00	0.4	
18- Jun 2022	17:00	0.4	
18 Jun 2022	12:00	0.0	
10-JUII-2022	10.00	0.4	
10-JUII-2022	19:00	0.0	
18-JUN-2022	20:00	0.0	
18-Jun-2022	21:00	0.0	N
18-Jun-2022	22:00	0.0	NNE
18-Jun-2022	23:00	0.0	NE
19-Jun-2022	0:00	0.0	NE
19-Jun-2022	1:00	0.0	NE
19-Jun-2022	2:00	0.0	NNE
19-Jun-2022	3:00	0.0	
19-Jun-2022	4:00	0.0	
19-Jun-2022	5:00	0.0	NNE
19-Jun-2022	6:00	0.0	NNE
19-Jun-2022	7:00	0.0	NE

Date	Time	Wind Speed m/s	Direction
19-Jun-2022	8:00	0.0	NE
19-Jun-2022	9:00	0.0	NE
19-Jun-2022	10:00	0.0	NE
19-Jun-2022	11:00	0.4	NE
19-Jun-2022	12:00	0.0	NE
19-Jun-2022	13:00	0.4	NE
19-Jun-2022	14:00	0.4	NE
19-Jun-2022	15:00	0.4	NE
19-Jun-2022	16:00	0.4	NNE
19-Jun-2022	17:00	0.0	NE
19-Jun-2022	18:00	0.0	NE
19-Jun-2022	19:00	0.0	NNE
19-Jun-2022	20:00	0.0	NE
19-Jun-2022	21:00	0.0	NNE
19-Jun-2022	22:00	0.0	NNE
19-Jun-2022	23:00	0.0	NNE
20-Jun-2022	0:00	0.0	N
20-Jun-2022	1:00	0.0	NNF
20-Jun-2022	2:00	0.0	NNE
20-Jun-2022	3:00	0.0	NF
20-Jun-2022	4:00	0.0	NE
20-Jun-2022	5:00	0.0	NE
20-Jun-2022	6:00	0.0	NE
20-Jun-2022	7:00	0.0	
20-Jun-2022	8:00	0.0	NE
20-Jun-2022	9:00	0.0	NE
20-Jun-2022	10:00	0.0	ENE
20-Jun-2022	11:00	0.0	NE
20-Jun-2022	12:00	0.0	NE
20-Jun-2022	13:00	0.0	NE
20-Jun-2022	14:00	0.0	NE
20-Jun-2022	15:00	0.0	NE
20-Jun-2022	16:00	0.4	NE
20-Jun-2022	17:00	0.0	NE
20-Jun-2022	18:00	0.0	NE
20-Jun-2022	19:00	0.0	NE
20-Jun-2022	20:00	0.0	NNE
20-Jun-2022	21:00	0.0	NE
20-Jun-2022	22:00	0.0	NE
20-Jun-2022	23:00	0.0	NE
21-Jun-2022	0:00	0.0	NNE
21-Jun-2022	1:00	0.0	NNE
21-Jun-2022	2:00	0.0	
21-Jun-2022	3:00	0.0	
21-Jun-2022	4:00	0.0	
21-Jun-2022	5:00	0.0	
21-Jun-2022	6:00	0.0	
21-Jun-2022	7:00	0.0	NNE
21-Jun-2022	8:00	0.0	NE
21-Jun-2022	9:00	0.0	NE
21-Jun-2022	10:00	0.0	NE
21-Jun-2022	11:00	0.4	NE
21-Jun-2022	12:00	0.4	NE
21-Jun-2022	13:00	0.4	NE
21-Jun-2022	14:00	0.9	NE

Date	Time	Wind Speed m/s	Direction
21-Jun-2022	15:00	0.9	NE
21-Jun-2022	16:00	0.0	NNE
21-Jun-2022	17:00	0.0	
21-Jun-2022	18:00	0.0	
21-Jun-2022	19:00	0.0	
21-Jun-2022	20:00	0.0	
21-Jun-2022	21:00	0.0	
21-Jun-2022	22:00	0.0	
21-Jun-2022	23:00	0.0	
22-Jun-2022	0:00	0.0	NNE
22-Jun-2022	1:00	0.0	
22-Jun-2022	2:00	0.0	
22-Jun-2022	3:00	0.0	
22-Jun-2022	4:00	0.0	W
22-Jun-2022	5:00	0.0	
22-Jun-2022	6:00	0.0	NW
22-Jun-2022	7:00	0.0	WNW
22-Jun-2022	8:00	0.0	FNF
22-Jun-2022	9:00	0.0	NNE
22-Jun-2022	10:00	0.0	
22 Jun-2022	11:00	0.0	\\/
22-Jun-2022	12:00	0.4	
22-Jun-2022	12:00	0.0	S\M
22-Jun-2022	14:00	0.0	
22-Jun-2022	14.00	0.0	
22-Jun 2022	16:00	0.0	
22-Jun-2022	17:00	0.0	
22-Jun 2022	18:00	0.0	
22-Jun 2022	10:00	0.0	
22-Jun 2022	20:00	0.0	 \\\/
22-Jun 2022	20.00	0.3	
22-Jun 2022	21.00	0.4	
22-Jun 2022	22.00	0.0	IN
22-Jun 2022	23.00	0.0	
23-Jun 2022	1:00	0.0	
23-Jun 2022	1.00	0.0	
23-Jun-2022	2.00	0.0	
23-Jun 2022	3.00	0.0	
23-Jun 2022	4.00	0.0	
	5.00	0.0	
23-JUII-2022	7:00	0.0	
23-JUN-2022	<i>1.</i> 00	0.0	
23-JUN-2022	0.00	0.0	
23-JUN-2022	9:00	0.0	 N/T
23-JUN-2022	10:00	0.0	INE
23-JUN-2022	11:00	0.0	
23-JUN-2022	12:00	0.0	32VV
23-JUN-2022	13:00	0.0	VV SVV
23-Jun-2022	14:00	0.0	
23-JUN-2022	15:00	0.0	ININE
23-JUN-2022	16:00	0.0	INE NE
23-JUN-2022	17:00	0.0	NE
23-Jun-2022	18:00	0.0	
23-Jun-2022	19:00	0.0	ENE
23-JUN-2022	20:00	0.0	VV SVV
23-Jun-2022	21:00	0.0	WSW

Date	Time	Wind Speed m/s	Direction
23-Jun-2022	22:00	0.4	W
23-Jun-2022	23:00	0.0	
24-Jun-2022	0:00	0.0	
24-Jun-2022	1:00	0.0	W
24-Jun-2022	2:00	0.0	W
24-Jun-2022	3:00	0.0	W
24-Jun-2022	4:00	0.4	W
24-Jun-2022	5:00	0.0	WSW
24-Jun-2022	6:00	0.0	WSW
24-Jun-2022	7:00	0.4	SSW
24-Jun-2022	8:00	0.0	SSW
24-Jun-2022	9:00	0.4	W
24-Jun-2022	10:00	0.4	SW
24-Jun-2022	11:00	0.9	SSW
24-Jun-2022	12:00	0.4	SSW
24-Jun-2022	13:00	0.4	W
24-Jun-2022	14:00	0.0	SW
24-Jun-2022	15:00	0.4	SSW
24-Jun-2022	16:00	0.0	W
24-Jun-2022	17:00	0.0	
24-Jun-2022	18:00	0.0	WNW
24-Jun-2022	19:00	0.4	W
24-Jun-2022	20:00	0.0	WSW
24-Jun-2022	21:00	0.0	W
24-Jun-2022	22:00	0.0	W
24-Jun-2022	23:00	0.0	WSW
25-Jun-2022	0:00	0.0	SSW
25-Jun-2022	1:00	0.0	WNW
25-Jun-2022	2:00	0.4	W
25-Jun-2022	3:00	0.0	W
25-Jun-2022	4:00	0.4	W
25-Jun-2022	5:00	0.0	SSW
25-Jun-2022	6:00	0.0	WSW
25-Jun-2022	7:00	0.4	WSW
25-Jun-2022	8:00	0.0	SSW
25-Jun-2022	9:00	0.4	SW
25-Jun-2022	10:00	0.0	WSW
25-Jun-2022	11:00	0.0	NNE
25-Jun-2022	12:00	0.0	
25-Jun-2022	13:00	0.0	
25-Jun-2022	14:00	0.0	E
25-Jun-2022	15:00	0.0	N
25-Jun-2022	16:00	0.0	W
25-Jun-2022	17:00	0.0	NE
25-Jun-2022	18:00	0.0	NW
25-Jun-2022	19:00	0.0	NNW
25-Jun-2022	20:00	0.0	
25-Jun-2022	21:00	0.0	
25-Jun-2022	22:00	0.0	
25-Jun-2022	23:00	0.9	W
26-Jun-2022	0:00	0.0	W
26-Jun-2022	1:00	0.4	W
26-Jun-2022	2:00	0.9	W
26-Jun-2022	3:00	0.9	W
26-Jun-2022	4:00	0.4	W

Date	Time	Wind Speed m/s	Direction
26-Jun-2022	5:00	0.0	W
26-Jun-2022	6:00	0.0	WSW
26-Jun-2022	7:00	0.0	NNE
26-Jun-2022	8:00	0.0	NW
26-Jun-2022	9:00	0.0	WSW
26-Jun-2022	10:00	0.0	WSW
26-Jun-2022	11:00	0.0	SSW
26-Jun-2022	12:00	0.0	SSW
26-Jun-2022	13:00	0.0	NF
26-Jun-2022	14:00	0.0	W
26-Jun-2022	15:00	0.0	\\/
26- Jun-2022	16:00	0.4	\\/\N\\//
26-Jun-2022	17:00	0.0	
20-Jun-2022	19:00	0.0	
20-Jun-2022	10:00	0.0	
20-Jun-2022	19.00	0.0	
20-Jun-2022	20.00	0.0	VV
20-JU(1-2022	21:00	0.4	VV
26-JUN-2022	22:00	0.0	VV VV
26-Jun-2022	23:00	0.0	VV
27-Jun-2022	0:00	0.0	VVINVV
27-Jun-2022	1:00	0.0	VV
27-Jun-2022	2:00	0.0	
27-Jun-2022	3:00	0.0	
27-Jun-2022	4:00	0.0	
27-Jun-2022	5:00	0.0	
27-Jun-2022	6:00	0.0	
27-Jun-2022	7:00	0.0	ENE
27-Jun-2022	8:00	0.0	NE
27-Jun-2022	9:00	0.0	NE
27-Jun-2022	10:00	0.4	NE
27-Jun-2022	11:00	0.4	NE
27-Jun-2022	12:00	0.9	NE
27-Jun-2022	13:00	0.9	NE
27-Jun-2022	14:00	0.0	
27-Jun-2022	15:00	0.0	
27-Jun-2022	16:00	0.0	
27-Jun-2022	17:00	0.0	NW
27-Jun-2022	18:00	0.0	Ν
27-Jun-2022	19:00	0.0	NNW
27-Jun-2022	20:00	0.0	
27-Jun-2022	21:00	0.0	NNE
27-Jun-2022	22:00	0.0	NW
27-Jun-2022	23:00	0.0	Ν
28-Jun-2022	0:00	0.0	NE
28-Jun-2022	1:00	0.0	Ν
28-Jun-2022	2:00	0.0	NE
28-Jun-2022	3:00	0.0	NNW
28-Jun-2022	4:00	0.0	Ν
28-Jun-2022	5:00	0.0	NE
28-Jun-2022	6:00	0.0	NE
28-Jun-2022	7:00	0.0	NE
28-Jun-2022	8.00	0.0	W
28-Jun-2022	9.00	0.0	
28-Jun-2022	10:00	0.0	NF
28- lun-2022	11.00	0.0	
	11.00	0.7	

Date	Time	Wind Speed m/s	Direction
28-Jun-2022	12:00	0.9	W
28-Jun-2022	13:00	0.0	
28-Jun-2022	14:00	0.0	S
28-Jun-2022	15:00	0.0	NE
28-Jun-2022	16:00	0.0	NE
28-Jun-2022	17:00	0.0	WNW
28-Jun-2022	18:00	0.0	NNE
28-Jun-2022	19:00	0.0	NF
28-Jun-2022	20:00	0.0	W
28-Jun-2022	21:00	0.0	NF
28- Jun-2022	22:00	0.0	
28- Jun-2022	22:00	0.0	N
20 Jun-2022	0.00	0.0	N
20-Jun-2022	1:00	0.0	
29-Jun-2022	2:00	0.0	
29-Jun-2022	2:00	0.0	
29-Jun-2022	3.00	0.0	
29-Jun-2022	4.00	0.0	
29-Jun-2022	5:00	0.0	NE
29-Jun-2022	0:00	0.0	INE
29-Jun-2022	7:00	0.0	
29-Jun-2022	8:00	0.0	NE
29-Jun-2022	9:00	0.0	ENE
29-Jun-2022	10:00	0.0	ENE
29-Jun-2022	11:00	0.0	NE
29-Jun-2022	12:00	0.0	NE
29-Jun-2022	13:00	0.4	ENE
29-Jun-2022	14:00	0.0	NE
29-Jun-2022	15:00	0.0	NE
29-Jun-2022	16:00	0.0	NNE
29-Jun-2022	17:00	0.0	NE
29-Jun-2022	18:00	0.0	NNE
29-Jun-2022	19:00	0.0	WNW
29-Jun-2022	20:00	0.0	
29-Jun-2022	21:00	0.0	NE
29-Jun-2022	22:00	0.0	NNE
29-Jun-2022	23:00	0.0	
30-Jun-2022	0:00	0.0	NNE
30-Jun-2022	1:00	0.0	NW
30-Jun-2022	2:00	0.0	NE
30-Jun-2022	3:00	0.0	Ν
30-Jun-2022	4:00	0.0	NNE
30-Jun-2022	5:00	0.0	
30-Jun-2022	6:00	0.0	NNE
30-Jun-2022	7:00	0.0	NE
30-Jun-2022	8:00	0.0	NE
30-Jun-2022	9:00	0.0	NE
30-Jun-2022	10:00	0.4	NE
30-Jun-2022	11:00	0.4	NE
30-Jun-2022	12:00	0.4	NE
30-Jun-2022	13:00	0.4	NE
30-Jun-2022	14:00	0.4	NW
30-Jun-2022	15:00	0.4	NW
30-Jun-2022	16:00	0.4	WNW
30-Jun-2022	17:00	0.4	NNE
30lun-2022	18.00	0.0	NF
	10.00	0.0	

Date	Time	Wind Speed m/s	Direction
30-Jun-2022	19:00	0.0	NE
30-Jun-2022	20:00	0.0	NNE
30-Jun-2022	21:00	0.0	NE
30-Jun-2022	22:00	0.0	Ν
30-Jun-2022	23:00	0.0	NE

APPENDIX H EVENT ACTION PLANS

	ACTION				
EVENI	ET	IEC	ER	CONTRACTOR	
ACTION LEVEL					
1. Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform IEC,ER and Contractor;</li> <li>Repeat measurement to confirm finding; and</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method; and</li> <li>Review and advise the ET and ER on the effectiveness of the proposed remedial measures.</li> </ol>	1. Notify Contractor.	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>Rectify any unacceptable practice and implement remedial measures; and</li> <li>Amend working methods agreed with ER if appropriate.</li> </ol>	
2. Exceedance for two or more consecutive samples	<ul> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>2. Inform IEC,ER and Contractor;</li> <li>3. Advise the ER and Contractor on the effectiveness of the proposed remedial measures;</li> <li>4. Repeat measurements to confirm findings;</li> <li>5. Increase monitoring frequency to daily;</li> <li>6. Discuss with IEC, ER and Contractor on remedial actions required;</li> <li>7. If exceedance continues, arrange meeting with IEC and ER; and</li> <li>8. If exceedance stops, cease additional monitoring.</li> </ul>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ET and ER on the effectiveness of the proposed remedial measures; and</li> <li>Supervise Implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor; and</li> <li>Supervise and ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;</li> <li>Implement the agreed proposals; and</li> <li>Amend proposal if appropriate.</li> </ol>	

	ACTION						
EVENI	ET	IEC	ER	CONTRACTOR			
LIMIT LEVEL							
1.Exceedance for one sample	<ul> <li>Identify source, investigate the causes of exceedanceand propose remedial measures;</li> <li>2. Inform ER, Contractor, IEC and EPD;</li> <li>3. Repeat measurement to confirm finding;</li> <li>4. Increase monitoring frequency to daily;</li> <li>5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ul>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET, ER and Contractor on possible remedial measures;</li> <li>Advise the ER and ET on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor; and</li> <li>Supervise and ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;</li> <li>Implement the agreed proposals; and</li> <li>Amend proposal if appropriate.</li> </ol>			
2.Exceedance for two or more consecutive samples	<ul> <li>Notify IEC, ER, Contractor and EPD;</li> <li>2. Identify source;</li> <li>3. Repeat measurement to confirm findings;</li> <li>4. Increase monitoring frequency to daily;</li> <li>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>6. Arrange meeting with IEC, Contractor and ER to discuss the remedial actions to be taken;</li> <li>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> </ul>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and</li> <li>Supervise the implementation</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise and ensure remedial measures properly implemented; and</li> <li>If exceedance continues,</li> </ol>	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as</li> </ol>			

FVFNT	ACTION						
	ЕТ	IEC	ER	CONTRACTOR			
	8. If exceedance stops, cease additional	of remedial measures.	consider what portion of the	determined by the ER until			
	monitoring.	work is responsible and		the exceedance is abated.			
			instruct the Contractor to stop				
			that portion of work until				
			the exceedance is abated.				

#### **Event / Action Plan for Construction Noise**

EVENT			ACTION			
	ET	IEC	ER	CONTRACTOR		
Action Level	<ul> <li>Notify IEC, ER and Contractor;</li> <li>2. Carry out investigation;</li> <li>3. Report the results of investigation to the IEC, ER and Contractor;</li> <li>4. Discuss with the Contractor and formulate remedial measures;</li> <li>5. Increase monitoring frequency to check mitigation effectiveness.</li> </ul>	<ol> <li>Review the analysed results submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures are properly implemented</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC and ER;</li> <li>Implement noise mitigation proposals.</li> </ol>		
Limit Level	<ul> <li>. Identify source;</li> <li>2. Inform IEC, ER, EPD and Contractor;</li> <li>3. Repeat measurements to confirm findings;</li> <li>4. Increase monitoring frequency;</li> <li>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>6. Inform IEC, ER and EPD the causes and actions taken for the exceedances;</li> <li>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>8. If exceedance stops, cease additional monitoring.</li> </ul>	<ol> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures properly implemented;</li> <li>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.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>		

	Action				
Event	ЕТ	IEC	ER	Contractor	
Action level being exceeded by one sampling day	<ul> <li>Inform IEC, Contractor and ER;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods; and</li> <li>Discuss remedial measures with IEC and Contractor and ER.</li> </ul>	<ol> <li>Discuss with ET, ER and Contractor on the implemented mitigation measures;</li> <li>Review proposals on remedial measures submitted by Contractor and advise the ER accordingly; and</li> <li>Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss with IEC, ET and Contractor on the implemented mitigation measures;</li> <li>Make agreement on the remedial measures to be implemented;</li> <li>Supervise the implementation of agreed remedial measures.</li> </ol>	<ol> <li>Identify source(s) of impact;</li> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Consider changes of working methods;</li> <li>Discuss with ER, ET and IEC and purpose remedial measures to IEC and ER; and</li> <li>Implement the agreed mitigation measures.</li> </ol>	
Action level being exceeded by two or more consecutive sampling days	<ul> <li>Repeat in-situ measurement on next day of exceedance to confirm findings;</li> <li>2. Inform IEC, contractor and ER;</li> <li>3. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>4. Discuss remedial measures with IEC, contractor and ER</li> <li>5. Ensure remedial measures are implemented</li> </ul>	<ol> <li>Discuss with ET, Contractor and ER on the implemented mitigation measures;</li> <li>Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and</li> <li>Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss with ET, IEC and Contractor on the proposed mitigation measures;</li> <li>Make agreement on the remedial measures to be implemented ; and</li> <li>Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures.</li> </ol>	<ol> <li>Identify source(s) of impact;</li> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment and consider changes of working methods;</li> <li>Discuss with ET, IEC and ER and submit proposal of remedial measures to ER and IEC within 3 working days of notification; and</li> <li>Implement the agreed mitigation measures.</li> </ol>	
Limit level being exceeded by one sampling day	<ul><li>Repeat measurement on next day of exceedance to confirm findings;</li><li>2. Inform IEC, contractor and ER;</li></ul>	<ol> <li>Discuss with ET, Contractor and ER on the implemented mitigation measures;</li> </ol>	<ol> <li>Discuss with ET, IEC and Contractor on the implemented remedial measures;</li> </ol>	<ol> <li>Identify source(s) of impact;</li> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> </ol>	

			Action	
Event	ET	IEC	ER	Contractor
	<ol> <li>Rectify unacceptable practice;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Consider changes of working methods;</li> <li>Discuss mitigation measures with IEC, ER and Contractor; and</li> <li>Ensure the agreed remedial measures are implemented</li> </ol>	<ol> <li>Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and</li> <li>Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Request Contractor to critically review the working methods;</li> <li>Make agreement on the remedial measures to be implemented; and</li> <li>Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures.</li> </ol>	<ol> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment and consider changes of working methods;</li> <li>Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and</li> <li>Implement the agreed remedial measures.</li> </ol>
Limit level being exceeded by two or more consecutive sampling days	<ul> <li>Inform IEC, contractor and ER;</li> <li>2. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>3. Discuss mitigation measures with IEC, ER and Contractor; and</li> <li>4. Ensure mitigation measures are implemented; and</li> <li>5. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days</li> </ul>	<ol> <li>Discuss with ET, Contractor and ER on the implemented mitigation measures;</li> <li>Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and</li> <li>Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss with ET, IEC and Contractor on the implemented remedial measures;</li> <li>Request Contractor to critically review the working methods;</li> <li>Make agreement on the remedial measures to be implemented;</li> <li>Discuss with ET and IEC on the effectiveness of the implemented mitigation measures; and</li> <li>Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the dredging activities until no exceedance of Limit level.</li> </ol>	<ol> <li>Identify source(s) of impact;</li> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment and consider changes of working methods;</li> <li>Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and</li> <li>Implement the agreed remedial measures.</li> <li>As directed by the ER, to slow down or stop all or part of the dredging activities until no exceedance of Limit level.</li> </ol>

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker, ER – Engineer's Representative

Each step of actions required shall be implemented within 1 working day unless otherwise specified or agreed with EPD.

APPENDIX I SUMMARY OF EXCEEDANCE

#### **Appendix I: Exceedance Report**

#### **Reporting Quarter: April to June 2022**

#### (A) Exceedance Report for Air Quality

Environmental Monitoring	Parameter	No. of no related Ex	n-project kceedance	No. of Exceedance related to the Construction Activities of the Project	
		Action Level	Limit Level	Action Level	Limit Level
A in Operation	1-hr TSP	0	0	0	0
Air Quanty	24-hr TSP	0	0	0	0

#### (B) Exceedance Report for Construction Noise

Environmental Monitoring	Parameter	No. of no related Ex	n-project xceedance	No. of Exceedance related to the Construction Activities of the Project	
		Action Level	Limit Level	Action Level	Limit Level
Noise	L <sub>eq</sub> (30 min.) dB(A)	0	0	0	0

#### (C) Exceedance Report for Water Quality

Environmental Monitoring	Parameter	No. of no related Ex	n-project kceedance	No. of Exceedance related to the Construction Activities of the Project	
		Action Level	Limit Level	Action Level	Limit Level
	Dissolved Oxygen (DO)	0	0	0	0
Water Quality	Turbidity	0	0	0	0
	Suspended Solids (SS)	0	0	0	0

APPENDIX J ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
Construct	ion Dust Ir	npact					
S3.8	D1-DP 1/DP2/ DP3	Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road is proposed to achieve dust removal efficiency of 92.1%. While the above watering frequencies are to	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	*
		be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.6 L/m2 to achieve the respective dust removal efficiencies					
S3.8	D2-DP	The contractor shall follow the procedures and requirements	Reduce air pollution	Contractor	All construction	Construction	
	1/DP2/	given in the Air Pollution Control (Construction Dust) Regulation	emission from		sites	stage	
	DP3	All vehicles shall be shut down in intermittent use	construction vehicles and				۸
		· Only well-maintained plant should be operated on-site to	plants				۸
		avoid emission of dark smoke					
		Valid No-Road Mobile Machinery (NRMM) labels should be					*
		provided to regulated machines					
S3.8	D2-DP	<ul> <li>Following dust suppression measures should also be incorporated by the Contractor to control the dust puisance</li> </ul>	Minimize dust impact at	Contractor	All construction	Construction	*
	1/DP2/	throughout the construction Phase	the nearby sensitive		sites	stage	
	DP3	<ul> <li>Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24</li> </ul>	receivers				*
		<ul> <li>hours of the excavation or unloading;</li> <li>Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface</li> </ul>					۸
		<ul> <li>of roads;</li> <li>A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones;</li> </ul>					۸
		<ul> <li>The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty material do not leak from</li> </ul>					۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>the vehicle;</li> <li>Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;</li> <li>When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.</li> <li>The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;</li> <li>Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;</li> <li>Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting for mitering should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; Any skip hoist for material transport should be totally enclosed by impervious sheeting;</li> <li>Every stock of more than 20 bags of cement or dry</li> </ul>					*
		pulverised fuel ash (PFA) should be covered entirely by					Λ

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>impervious sheeting or placed in an area sheltered on the top and the 3 sides;</li> <li>Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked</li> </ul>					N/A
		<ul> <li>Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air</li> </ul>					N/A
		<ul> <li>pollution control system; and</li> <li>Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.</li> </ul>					۸
S3.8	D4-DP	Implement regular dust monitoring under EM&A programme	Monitoring of dust impact	Contractor	Selected	Construction	^
	1/DP2/	during the construction stage.			representative	stage	
	DP3				dust		
					monitoring		
					station		
Construct	ion Noise	Impact		·		•	
S4.8	N-CP1-	Implement the following good site management practices:	Control construction	Contractor	All construction	Construction	
	DP1/D	<ul> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction</li> </ul>	airborne		sites	stage	^
	P2/DP3	<ul> <li>programme;</li> <li>Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.</li> </ul>	noise				۸
		<ul> <li>Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction</li> </ul>					^

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>equipment should be properly fitted and maintained during the construction works;</li> <li>Mobile plant should be sited as far away from NSRs as possible and practicable;</li> <li>Material stockpiles, mobile container site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>					۸
S4.8	N-CP2-	Install temporary site hoarding (approx 2.4m high) located on the site boundaries between poisy construction activities and NSRs	Reduce the construction	Contractor	All construction	Construction	۸
	DP1/D	The conditions of the hoardings shall be properly maintained	noise levels at low-level		sites where	phase	
	P2/DP3	throughout the construction period.	zone of NSRs through		practicable		
			partial screening.				
S4.8	N-CP3-	Install movable noise barriers and full enclosure, screen the noisy	Screen the noisy plant	Contractor	All construction	Construction	*
	DP1/D		items to be used at all		sites where	phase	
	P2/DP3		construction sites		practicable		
S4.8	N-CP4-	Use of "Quiet" Plant and Working Methods	Reduce the noise levels	Contractor	All construction	Construction	٨
	DP1/D		of plant items		sites where	phase	
	P2/DP3				practicable		
S4.8	N-CP5-	Sequencing operation of construction plants where practicable.	Operate sequentially	Contractor	All construction	Construction	۸
	DP1/D		within the same work site		sites where	phase	
	P2/DP3		to reduce the		practicable		
			construction airborne				
			noise				
S4.8	N-CP6-	Setting the concrete lorry mixer at around 25m away from the	Reduce the noise levels	Contractor	Sections with	Construction	۸
	DP2	Road	from concrete lorry mixer		NSRs along Ha	phase	
					Wan Tsuen		
					Road and Lok		

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
					Ma Chau Road		
S4.8	N-CP8-	Provide temporary noise barrier during construction phase.	Control airborne noise	Contractor	Refer to Figure	Construction	۸
	DP2		from construction access		4-8 of the EIA	phase	
			road traffic		report		
S4.8	N-CP7-	Implement a noise monitoring under EM&A programme.	Monitor the construction	Contractor	Selected	Construction	۸
	DP2/N-		noise levels at the		representative	phase	
	CP6-D		selected representative		noise monitoring		
	P1/N-C		locations		station		
	P6-DP3						
Water Qua	ality Impac	t (Construction Phase)			I	L	L
S5.7	W1-CP	Construction Runoff and Site Drainage	Minimize water quality	Contractor	All construction	Construction	
	-DP1/D	In accordance with the Practice Note for Professional Persons on Construction Site Drainage. Environmental Protection	impact from construction		sites where	phase	
	P2/DP3	Department,	site runoff and general		practicable		
		1994 (ProPECC PN 1/94), construction phase mitigation measures.	construction activities				
		where appropriate, should include the following:					
		Update and implementation of Stormwater Pollution					*
		Control Plan					
		At the start of site establishment, perimeter cut-off drains					
		to direct off-site water around the site should be					*
		constructed with internal drainage works and erosion and					
		sedimentation control facilities implemented. Channels					
		(both temporary and permanent drainage pipes and					
		cuiverts), earth bunds or sand bag barriers should be					
		provided on site to direct stormwater to silt removal					
		racilities. The design of the temporary on-site drainage					
		system will be undertaken by the contractor prior to the					
		commencement of construction.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>slope surfaces should be covered by tarpaulin or other means.</li> <li>All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.</li> <li>Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.</li> <li>All open stockpiles of construction materials (for example, aggregates, sand and fill material) of should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.</li> <li>Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.</li> <li>Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events.</li> </ul>					* * *

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	Ref	<ul> <li>All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheelwash bay to prevent vehicle tracking of soil and silty water to public roads and drains.</li> <li>Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.</li> <li>Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.</li> <li>All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the larcest tank to prevent spilled fuel oils from reaching</li> </ul>	Measures & Main Concerns to address	the measures?		measures?	*
		<ul> <li>water sensitive receivers nearby.</li> <li>Regular environmental audit on the construction site should be carried out in order to prevent any</li> </ul>					۸
		malpractices. Notices should be posted at conspicuous locations to remind the workers not to discharge any					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		sewage or wastewater into the meander, wetlands and fish ponds.					
S5.7	W3-CP	Groundwater from Contaminated Area	Minimize groundwater	Contractor	Areas where	Construction	
	-DP1/D P2/DP3	<ul> <li>No mitigation measure is required for groundwater treatment in LMC Loop.</li> <li>Additional investigation is required to identify if contaminated groundwater is found.</li> <li>If the investigation results indicated that the groundwater to be generated from construction works would be contaminated, the contaminated groundwater should be either discharged into recharged wells, or properly treated in compliance with the requirements of Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters.</li> <li>If recharged well method were used, the groundwater quality in the recharged well should not be affected by recharging energian.</li> </ul>	quality impact from contaminated area		contamination is found.	phase	N/A N/A N/A
		<ul> <li>recharged groundwater should not be higher than that in the recharging wells.</li> <li>If treatment and discharge method were used, the design of wastewater treatment facilities, such as active carbon and petrol interceptor, should be submitted to the EPD and a discharge license should be obtained under the WPCO through the Regional Offices of EPD.</li> </ul>					N/A
S5.7	W3-CP	Sewage from Workforce	Minimize water quality	Contractor	All construction	Construction	
	-DP1/D P2/DP3	<ul> <li>Portable chemical toilets and sewage holding tanks should be provided for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate</li> </ul>	from sewage effluent		sites where practicable	phase	Λ

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>portable toilets to cater 0.15m3/day/employed populations and be responsible for appropriate disposal and maintenance.</li> <li>Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project</li> </ul>					۸
		<ul> <li>Regular environmental audit on the construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.</li> </ul>					^
S5.7	W4-CP -DP1	<ul> <li><u>Riverbanks Formation</u></li> <li>In order to prevent sediment transport during riverbank works, deployment of silt curtain should be implemented, especially when construction works encroach or occur in close distance to water body. It is recommended to carry out all the riverbank works within a cofferdam or diaphragm wall.</li> <li>Water quality of the Shenzhen River and the meander would be monitored to ensure effectiveness of the implemented mitigation measures.</li> </ul>	Minimize water quality impact from riverbank works	Contractor	Riverbank works	Construction Phase	^ ^
S5.7	W1-CP -BR	<ul> <li>Bio-remediation in Shenzhen River</li> <li>Water quality monitoring and audit is recommended to ensure that the proposed bio-remediation operation would not result in adverse water quality impact. Details of the water quality monitoring programme are presented in the EM&amp;A Manual. If unacceptable water quality impact in the receiving water is recorded, additional measures such as slowing down, or rescheduling of works should be</li> </ul>	Minimize water quality impact from bio-remediation of Shenzhen River	Contractor	Shenzhen River where practicable	Construction phase	N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		implemented as necessary.					
S5.7	W4-CP	Construction of Viaduct across Reedbed in LMC Station	Minimize water quality	Contractor	Construction	Construction	N/A
	-DP3	As a precautionary measures, three options are recommended to	impact from of viaduct on		sites across	phase	
		ensure the compliance of No Net Increase in Pollution Load in	reedbed		reedbed in LMC		
		Deep Bay for further consideration. They include:			Station		
		<ul> <li>On-site compensate the same area of the occupied reedbed;</li> </ul>					
		Provide pilot plant during construction; or					
		<ul> <li>Increase the hydraulic retention time of the proposed Loop STW.</li> </ul>					
		Details of these measures will be subject to further liaison with					
		MTRC and a separate VEP application.					
S5.7	W5-CP	Construction of Bridge Crossing	Minimize water quality	Contractor	Construction	Construction	N/A
	-DP2/D	Good site management as stipulated in ProPECC PN1/94	impact from construction		sites for bridge	phase	
	P3	should be fully implemented to avoid polluted liquid or	of bridge crossing		crossing where		
		solid wastes from falling into the WSRs.			practicable		N/A
		<ul> <li>All the fishponds will be drained and no fishpond will be affected by bridge crossing</li> </ul>					
		<ul> <li>In the meander, cofferdam or diaphragm walls should be</li> </ul>					N/A
		deployed for protecting fish ponds or nearby rivers during					DVA
		bridge pier construction and or road widening work at					
		fishponds.					
		For the low level viaducts crossing the small streams at					N/A
		Ivia I so Lung, Ping Hang and channel hear Lung Hau					
		he no construction work in the water streams, and thus to					
		avoid direct water quality impacts.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
Waste Mai	nagement	(Construction Waste)	I		1		
S7.6	WM1-D	Waste Reduction Measures	Reduce waste generation	Contractor	All construction	Construction	
	P1/DP2	Waste reduction is best achieved at the planning and design			sites where	phase	
	/DP3	phase, as well as by ensuring the implementation of good site			practicable		
	1010	practices. The following recommendations are proposed to			producable		
		achieve reduction:					
		Segregate and store different types of waste in different					^
		containers, skip or stockpiles to enhance reuse or					
		recycling of materials and their proper disposal;					
		proper storage and site practices to minimize the potential					۸
		for damage and contamination of construction materials;					^
		plan and stock construction materials carefully to					
		minimize amount of waste generated and avoid					
		unnecessary generation of waste;					
		sort out demolition debris and excavated materials from					٨
		demolition works to recover reusable/recyclable portions					
		(i.e. soil, broken concrete, metal etc.);					٨
		appropriate waste management procedures including					
		waste reduction, reuse and recycling.					
S7.6	WM2-D	Prepare Waste Management Plan and submit to the Engineer for	Minimize waste	Contractor	All construction	Construction	۸
		approval	generation during		sites	nhase	
	(0.00		generation during		5105	phase	
	/DP3		construction				
S7.6	WM2-D	Good Site Practice	Minimize waste	Contractor	All construction	Construction	
	P1/DP2	The following good site practices are recommended throughout	generation during		sites	phase	
	/DP3	the construction activities:	construction				
		Nomination of an approved personnel, such as a site     manager, to be reapposible for the implementation of					^
		manager, to be responsible for the implementation of					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;</li> <li>Training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling;</li> <li>Provision of sufficient waste disposal points and regular collection for disposal;</li> <li>Appropriate measures to minimise windblown litter and dust during transportation of wastes by either covering trucks or by transporting wastes in enclosed containers;</li> <li>Regular cleaning and maintenance programme for drainage systems, sumps and oil intercentors;</li> </ul>					л л л
S7.6	WM4-D	Storage of Waste	Minimize waste	Contractor	All construction	Construction	
	P1/DP2 /DP3	The following recommendation should be implemented to minimize the impacts:	generation during construction		sites	phase	۸
		<ul> <li>Waste such as soil should be handled and stored well to ensuresecure containment;</li> <li>Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away;</li> </ul>					Λ
		<ul> <li>Different locations should be designated to stockpile each material to enhance reuse;</li> </ul>					Λ
S7.6	WM5-D	Collection and Transportation of Waste	Minimize waste impact	Contractor	All construction	Construction	
	P1/DP2 /DP3	The following recommendation should be implemented to minimize the impacts:	from storage		sites	phase	۸
		Employ the trucks with cover or enclosed containers for					^

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		<ul> <li>waste transportation;</li> <li>Obtain relevant waste disposal permits from the appropriate authorities; and</li> <li>Disposal of waste should be done at licensed waste disposal facilities.</li> </ul>					۸
S7.6	WM6-D	Excavated and C&D Material	Minimize waste impacts	Contractor	All construction	Construction	
	P1/DP2 /DP3	<ul> <li>Wherever practicable, C&amp;D materials should be segregated from other wastes to avoid contamination and ensure acceptability at Public Fill Reception Facilities areas or reclamation sites. The following mitigation measures should be implemented in handling the excavated and C&amp;D materials: <ul> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling;</li> <li>Carry out on-site sorting;</li> <li>Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; and</li> <li>Implement a trip-ticket system for each works contract to ensure that the disposal of C&amp;D materials are properly documented and verified.</li> </ul> </li> <li>The recommended C&amp;D materials handling should include: <ul> <li>On-site Sorting of C&amp;D Materials</li> <li>Use of Standard Formwork and Planning of Construction Materials Purchasing</li> <li>Provision of Wheel Wash Facilities</li> </ul> </li> </ul>	from excavated and C&D material		sites	phase	۸ ۸ ۸ ۸ ۸ ۸ ۸ ۸
S7.6	WM7-D	<u>Contaminated Soil</u> As a precaution, it is recommended that standard good site	Remediate contaminated	Contractor	All construction	Construction	

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	P1/DP2	practice should be implemented during the construction phase to	soil		sites where	phase	N/A
	/DP3	minimize any potential exposure to contaminated soils or aroundwater. The details of mitigation measures to minimize the			applicable		
		potential environmental implications arising from the handling of					
		contaminated materials refer to Land Contamination Section.					
S7.6	WM8-D	Chemical Waste	Control the chemical	Contractor	All construction	Construction	
	P1/DP2	If chemical wastes are produced at the construction site,	waste and ensure proper		sites	phase	*
	/DP3	the Contractors should register with EPD as chemical	storage, handling and				
		waste producers. Chemical wastes should be stored in	disposal				
		appropriate containers and collected by a licensed					
		chemical waste contractor. Chemical wastes (e.g. spent					
		lubricant oil) should be recycled at an appropriate facility as					
		far as possible, while the chemical waste that cannot be					
		recycled should be disposed of at either the Chemical					
		Waste Treatment Centre, or another licensed facility, in					
		accordance with the Waste Disposal (Chemical Waste)					
		(General) Regulation.					
S7.6	WM9-D	General Waste	Minimize production of	Contractor	All construction	Construction	
	P1/DP2	• General refuse should be stored in enclosed bins	the general refuse and		sites	phase	٨
	/DP3	separately from construction and chemical wastes.	avoid odour, pest and				
		Recycling bins should also be placed to encourage	litter impacts				
		recycling.					۸
		Preferably enclosed and covered areas should be provided					
		for general refuse collection and routine cleaning for these					
		areas should also be implemented to keep areas clean.					٨
EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
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	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		A reputable waste collector should be employed to remove					
		general refuse on a daily basis.					
S7.6	WM10-	<u>Sewage</u>	Minimize production of	Contractor	All construction	Construction	
	DP1/D	The WMP should document the locations and number of	sewage impacts		sites	phase	۸
	P2	portable chemical toilets depending on the number of					
		workers, land availability, site condition and activities.					
		Regularly collection by licensed collectors should be					^
		arranged to minimize potential environmental impacts.					
S7.6	WM11-	<u>Sediment</u>	Minimize waste impacts	Contractor	All construction	Construction	
	DP2	The following mitigation measures are recommended during	from sediment		sites	phase	
		transportation and stockpiling:					
		stockpiling area(s) must be properly designed and closed					N/A
		to the dredging locations as far as possible;					
		Stockpiling area(s) should be lined with impermeable					N/A
		sheeting and bunded;					
		· stockpiles should be properly covered by impermeable					N/A
		sheeting;					
		· vehicles delivering the sediments should be covered, and					N/A
		truck bodies and tailgates should be sealed to prevent any					
		discharge during transportation;					
		bulk earth moving equipments should be utilized as much					N/A
		as possible to minimize workers' handling and contact of					
		the excavated materials; and					
		· personal protective clothing should be provided to site					N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		workers.					
		In case contamination of excavated materials is confirmed after					
		testing, the mitigation measures described in Land					
		Contamination Impacts section should also be implemented to					
		minimize potential environmental impacts.					
Land Con	tamination						
S8.7	LC1-D	Remediation of arsenic-contaminated soil	To remediate	Project	LMC Loop,	Prior to	
	P2/DP3	"Solidification/Stabilization" (S/S) treatment method was	arsenic-contaminated soil	Proponent/	contaminated	commencement	N/A
		proposed for the remediation of arsenic-contaminated soil.		Contractor	area	of construction	
		Toxicity Characteristic Leaching Procedure (TCLP) test				works within the	
		should be undertaken after S/S in order to ensure that the				contaminated	
		contaminant will not leach to the environment. Unconfined				area	
		Compressive Strength (UCS) test should be conducted,					
		and not less than 1MPa should be met prior to the					
		backfilling or stockpiled for future reuse within the study					
		area. Off-site disposal or reuse of the solidified material is					
		not allowed.					
S8.7	LC1-D	Excavation and Transportation	To minimise the potential	Contractor	Contaminated		
	P1/DP2	• Excavation profiles must be properly designed and	environmental impacts		area		N/A
	/DP3	executed with attention to the relevant requirements for	arising from the handling				
		environment, health and safety;	of				
		• In case the soil to be excavated is situated beneath the	contaminated materials				
		groundwater table, it may be necessary to lower the					N/A
		groundwater table by installing well points or similar					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		means;					
		Excavation should be carried out during dry season as far					N/A
		as possible to minimise contaminated runoff from					
		contaminated soils;					N/A
		Stockpiling site(s) should be lined with impermeable					
		sheeting and bunded. Stockpiles should be properly					
		covered by impermeable sheeting to reduce dust emission					
		during dry season or contaminated run-off during rainy					
		season. Watering should be avoided on stockpiles of					
		contaminated soil to minimize contaminated runoff;					N/A
		Supply of suitable clean backfill material after excavation, if					
		required;					N/A
		· Vehicles containing any excavated materials should be					
		suitably covered to limit potential dust emissions or					
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					N/A
		Speed control for the trucks carrying contaminated					
		materials should be enforced; and					N/A
		· Vehicle wheel washing facilities at the site's exit points					
		should be established and used.					
S8.7	LC3-D	Solidification/Stabilization	To minimize the potential	Contractor	Contaminated	The course of	
	P1/DP2	• The loading, unloading, handling, transfer or storage of	environmental impacts		area	remediation	N/A
	/DP3	cement should be carried out in an enclosed system;	arising from the handling				

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		· Mixing process and other associated material handling	of contaminated materials				N/A
		activities should be properly scheduled to minimise					
		potential noise impact and dust emission;					
		· The mixing facilities should be sited as far apart as					N/A
		practicable from the nearby noise sensitive receivers;					
		· Mixing of contaminated soil and cement / water / other					N/A
		additive(s) should be undertaken at a solidification plant to					
		minimise the potential for leaching;					
		• Runoff from the solidification / stabilization area should be					N/A
		prevented by constructing a concrete bund along the					
		perimeter of the solidification / stabilization area;					
		• The run-off contained in the concrete bund area along the					N/A
		perimeter of the paved solidification / stabilization area, if					
		any, will be collected, stored and used for the mixing					
		process of cement / contaminated soil;					
		If stockpile of treated soil is required, the stockpiling site(s)					N/A
		should be lined with impermeable sheeting and bunded.					
		· Stockpiles should be properly covered by impermeable					N/A
		sheeting to reduce dust emission during dry season or site					
		run-off during rainy season; and If necessary, there should					
		be clear and separated areas for stockpiling of untreated					
		and treated materials.					
S8.7	LC4-D	Safety Measures	To minimize the potential	Contractor	Contaminated	The course of	N/A
	P3	Set up a list of safety measures for site workers;	adverse effects on health		area	remediation	

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		Provide written information and training on safety for site	and safety of construction				
		workers;	workers				
		Keep a log-book and plan showing the contaminated zones					
		and clean zones;					
		Maintain a hygienic working environment;					
		Avoid dust generation;					
		Provide face and respiratory protection gear to site workers					
		if necessary;					
		Provide personal protective clothing (e.g. chemical					
		resistant jackboot, liquid tight gloves) to site workers, if					
		necessary;					
		Provide first aid training and materials to site worker;					
		Bulk earth moving equipment should be utilized as much					
		as possible to minimize workers' handling and contact of					
		the contaminated materials; and					
		• Eating, drinking and smoking should not be allowed in					
		contaminated areas to avoid inadvertent ingestion of					
		contaminant.					
S8.8	LC5-D	Re-appraisal on the entire contamination assessment area for	Ensure any potential	Project	Entire	After land	۸
	P3	associated infrastructure in the adjacent areas in Hong Kong	contamination activities	Proponent	contamination	resumption	
		outside LMC Loop.	from land use changes	/Detailed	assessment		
			after the approval of this	design	area for		
			land contamination	consultant	associated		
			assessment study		infrastructure in		

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
					the adjacent		
					areas in Hong		
					Kong outside		
					LMC Loop		
Landscap	e and Visu	al Impact (Construction Phase)					
S11.5.4	L-CP1-	Preservation and Protection of Existing Trees (Good Site	Avoid disturbance and	Detailed	Within project	Detailed design	
Table11.5	DP1/D	Practice)	protection of existing	design	site	and construction	
.9	P3	· The proposed works should avoid disturbance to the	trees	consultant/		phase	*
		existing trees within and close to the works areas. The tree		Contractor			
		preservation proposals shall be coordinated with the layout					
		and design of the engineering and architectural works at					
		detailed design phase for further retention of individual					
		trees.					۸
		• It is recommended that a full detailed tree survey and					
		felling application will be undertaken and submitted for					
		approval by the relevant government departments in					
		accordance with ETWB TCW No. 3/2006, 'Tree					
		Preservation'. This will be conducted during the detailed					
		design phase of the project and submitted to DLO for					
		approval. The methodology and scope including the					
		programme for the tree survey and felling application are					
		also subject to the approval of the relevant authorities.					*
		Trees which are not in conflict with the proposals would be					
		retained and shall be protected by means of fencing during					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		construction phase to prevent damage to tree canopies					
		and root zones from vehicles and storage of materials.					
		· Specifications for the protection of existing trees will be					*
		provided during the preparation of the detailed tree survey					
		by Detailed Design consultants at detailed design and					
		construction phase.					
S11.5.4	L-CP2-	Works Area and Temporary Works Areas (Good Site Practice)	Minimize landscape	Contractor	The whole	Construction	
Table	DP1/D	The construction sequence and construction programme	impacts		project area	phase	^
11.5.9	P2/DP3	shall be optimized in order to minimize the duration of			where		
		impact.			applicable		
		· Construction site controls shall be enforced including the					^
		storage of materials, the location and appearance of site					
		accommodation and site storage; and the careful design of					
		site lighting to prevent light spillage.					
		The temporary works areas shall be restored to its original					^
		condition or enhanced through the introduction of new					
		amenity areas or planting areas following the completion of					
		the construction phase.					
	L-CP3-	Advance Implementation of Mitigation Planting	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	Replanting of existing / disturbed vegetation shall be	impacts		project area	phase	^
	P2/DP3	undertaken at the earliest possible stage of the			where		
		construction phase of the project using predominantly			applicable		
		native plant species although ornamental species may be					
		used for roadside planting and amenity areas.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	L-CP4-	Transplantation of Existing Trees	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	· Some specimens have relatively higher amenity value	impacts		project area	phase	۸
	P2/DP3	which are in conflict with the proposals shall be considered			where		
		for transplantation. For trees affected by the proposed			applicable		
		infrastructure works the final receptor sites shall be					
		preferably adjacent to their current locations alongside of					
		the alignment to retain their contribution to the local					
		landscape context. For the LMC Loop the receptor					
		locations will be selected to allow the trees to be moved					
		directly to their final locations in accordance with the					
		detailed landscape proposals.					۸
		· The transplanting proposals are subject to review at the					
		detailed design phase and to agreement-in-principle with					
		the relevant management and maintenance agents and/or					
		government departments. The implementation programme					
		for the proposed works shall reserve sufficient time for the					
		advanced tree transplanting preparation works to enhance					
		the survival of the transplanted trees.					
		The transplanting proposals will be subject to the findings					۸
		of the detailed tree survey and felling application to be					
		undertaken by the detailed design consultants and					
		following approval by the relevant departments.					
	L-CP6-	Creation of Wetland and Landscape Buffer	Compensation of the loss	Project	The whole	Detailed design,	
	DP1/D	The existing reedbed acquired for development areas for	of landscape resources	Proponent/	project area	construction and	٨

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	P2	the project will be reinstated as part of the Ecological Area.		Detailed	where	operational	
		The reinstatement shall be undertaken at the earliest		design	applicable	phases	
		possible stage during the construction phase of the project.		consultant/			
		Creation of 12.78ha of Ecological Area (EA) containing		Contractor/			
		reed marsh and marsh will be created at the southern		Operator			۸
		portion of the LMC Loop, and a 50m width landscape buffer					
		area will be set up in between the EA and the development					
		area. Wetland creation concepts please refer to Figure					
		11.9zf and Chapter 12 Ecology Impact Assessment of this					
		EIA.					
		Native tree and shrub mix will be utilised for the creation of					۸
		landscape buffer along northern edge of EA to support the					
		creation of avifauna habitat from ecologist perspectives as					
		well as enhance the aesthetic and landscape diversity					
		within the LMC Loop Development.					۸
		<ul> <li>Creation of minimum 11.72 Ha. of permanent</li> </ul>					
		compensatory off-site wetland areas at Sam Po Shue and					
		Hoo Hok Wai. For the potential locations for off-site					
		wetlands please refer to Figure 11.9zf and 11.9zh, Chapter					
		2 Project Description and Chapter 12 Ecology Impact					
		Assessment of this EIA.					
	V-CP5-	Coordination with Concurrent Projects	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	Coordinated implementation programme with concurrent	impacts		project area	phase	۸
	P2/DP3	projects to minimise impacts and where possible reduce			where		

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		the period of disturbance.			applicable		
S11.6.5	V-CP1-	Preservation and Protection of Existing Trees (Good Site	Minimise visual impact	Detailed	The whole	Detailed design	٨
Table	DP3	Practice)		design	project area	and construction	
11.6.3		The proposed works should avoid disturbance to the		consultant /	where	phase	
		existing trees within and close to the works areas. The tree		Contractor	applicable		
		preservation proposals shall be coordinated with the layout					
		and design of the engineering and architectural works at					
		detailed design phase for further retention of individual					
		trees.					
		The preservation of existing tree shall provide instant					
		greening and screening effect for proposed works.					
	V-CP2-	Works Area and Temporary Works Areas (Good Site Practice)	Minimise visual impact	Contractor	The whole	Construction	٨
	DP3	The construction sequence and construction programme			project area	phase	
		shall be optimized in order to minimize the duration of			where		
		impact.			applicable		
		Construction site controls shall be enforced including the					
		storage of materials, the location and appearance of site					
		accommodation and site storage; and the careful design of					
		site lighting to prevent light spillage.					
		· Hoarding designed with recessive colour shall be set up					
		around the construction site providing screening effect for					
		the construction works.					
		The site office or temporary above-ground structures shall					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		be sited at less visual prominent locations.					
	V-CP3-	Advance Implementation of Mitigation Planting	Minimise visual impact	Detailed	The whole	Detailed design	N/A
	DP3	• Replanting of existing / disturbed vegetation shall be	and advance mitigation	design	project area	and construction	
		undertaken at the earliest possible stage of the	planting for screening	consultant /	where	phases	
		construction phase of the project using predominantly	purpose.	Contractor	applicable		
		native plant species although ornamental species may be					
		used for roadside planting and amenity areas.					
	V-CP5-	Coordination with Concurrent Projects	Minimize visual impacts	Contractor	The whole	Construction	^
	DP3	Coordinated implementation programme with concurrent			project area	phase	
		projects to minimise impacts and where possible reduce			where		
		the period of disturbance.			applicable		
Ecology (	Constructi	ion Phase)					
S12.7	E1-DP1	Disturbance to Fish Ponds at HHW	On the disturbance to fish	Detailed	Fish ponds at	Detailed design,	
		• Development set back a minimum of 23m from the edge	ponds at HHW	design	HHW and LMC	construction	N/A
		Meander.		consultant/		phase	
		· Management of fish pond habitat to enhance ecological		Contractor			N/A
		value to twice existing value, in order to compensate for					
		disturbance to large waterbirds.					
		• Creation and establishment will occur prior to					
		commencement of substantive works associated with any					N/A
		element of the project for which fish pond compensation is					
		required.					
		Construction phase					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		Erection of a 3m high, dull green site boundary fence to					^
		minimise disturbance to wetland habitats caused by human					
		activity in LMC Loop.					
S12.7	E2-DP1	Construction run-off	Minimise the indirect	Contractor	Seawall,	During	
	/DP3	· Temporary sewerage and drainage will be designed and	impact from the			construction	۸
		installed to collect wastewater and prevent it from entering	increasing suspended				
		nearby water bodies;	solids and pollutants in				
		Proper locations well away from nearby water bodies will	LMC Meander				^
		be used for temporary storage of materials (i.e. equipment,					
		filling materials, chemicals and fuel) and temporary					
		stockpile of construction debris and spoil, and these will be					
		identified before commencement of works;					
		• To prevent muddy water entering nearby water bodies,					*
		work sites close to nearby water bodies will be isolated,					
		using such items as sandbags or silt curtains with lead					
		edge at bottom and properly supported props. Other					
		protective measures will also be taken to ensure that no					
		pollution or siltation occurs to the water gathering grounds					
		of the work site;					۸
		• If temporary access along a riverbed is unavoidable, this					
		will be kept to the minimum in width and length. Temporary					
		river crossings will be supported on stilts above the river					^
		bed;					
		Stockpiling of construction materials, if necessary, will be					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		properly covered and located away from nearby water					
		bodies;					۸
		Construction debris and spoil will be covered and/or					
		properly disposed of as soon as possible to avoid being					
		washed into nearby water bodies;					
		Construction effluent, site run-off and sewage will be					۸
		properly collected and/or treated. Wastewater from any					
		construction site will be minimised via the following in					
		descending order: reuse, recycling and treatment;					۸
		Proper locations for discharge outlets of wastewater					
		treatment facilities well away from sensitive receivers will					
		be identified (i.e. treated wastewater will not be discharged					
		into LMC Meander, natural streams, marsh, reedbed,					
		active or abandoned fish ponds);					۸
		Adequate lateral support will be erected where necessary					
		in order to prevent soil/mud from slipping into the					
		Ecological Area or LMC Meander;					۸
		Site boundary will be clearly marked and any works beyond					
		the boundary strictly prohibited;					۸
		Regular water monitoring and site audit will be carried out					
		at adequate points along LMC Meander, and at the outfalls					
		of the natural streams around LMC Loop. If the monitoring					
		and audit results show that pollution occurs, adequate					
		measures including temporarily cessation of works will be					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		considered.					
S12.7	E3-DP1	Pollutant Runoff to Downstream areas from Accidental Spillage	Minimize indirect impact	Contractor/	Area within	Construction	۸
	/DP2/D	Prepare an emergency contingency plan The plan will	from pollutant runoff to	Operator	project site near	phase and	
	P3	include, but not be limited to, the following:	downstream areas from		streams	operation phase	
		- Potential emergency situations;	accidental spillage				
		- Chemicals or hazardous materials used on-site					
		(and their location);					
		- Emergency response team;					
		- Emergency response procedures;					
		- List of emergency telephone hotlines;					
		- Locations and types of emergency response					
		equipment;					
		- Training plan and testing for effectiveness.					
S12.7	E4-DP1	Use opaque, non-transparent, non-reflective noise barriers	Minimize the mortality	Developer /	Area within	Detailed design,	^
	/DP2/D	for all developments associated with the Project.	impacts on birds	Detailed	project site	construction and	
	P3	Design of buildings should not incorporate use of		design		operation	^
		night-time lighting at or near top of buildings, highly		consultant/		phases	
		reflective materials should not be used where vegetation is		contractor/			
		adjacent and glass surfaces should not be angled upwards		operator			
		in a way that reflects the sky. Unnecessary lighting should					
		be eliminated. Appropriate glass and façade treatments					
		should be used where required to minimise impact.					
		Unnecessary lighting should be avoided.					
		These include the following:					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		Fritting, or the placement of ceramic lines or dots on glass,					۸
		has little effect on the human-perceived transparency of the					
		window but creates a visual barrier to birds outside. This					
		treatment also has the advantage of reducing air					
		conditioning loads by lowering heat gain, while still allowing					
		light transmission for interior spaces. It is most successful					
		when the frits are applied on the outside surface. Frosted					
		glass has similar effects.					
		Angled glass may be used only for smaller panes in					^
		buildings with a limited amount of glass.					
		• The use of glass that reflects UV light (primarily visible to					^
		birds, but not to humans) acts to reduce collision.					
		· Film and art treatment allow glass surfaces to be used a					^
		medium of expression, often related to the nature and use					
		of the building, as well indicating to birds their					
		impenetrability.					^
		· Lightweight external screens can be added to windows or					
		become a façade element of larger buildings, and are					
		suitable where non-operable windows are prevalent, which					
		is often the case in modern buildings in HK.					
		In terms of reducing night-time mortality impacts, eliminating					
		unnecessary lighting is one of the easiest methods, and has the					
		added advantage of saving energy and expense. Potential					
		impacts of nocturnal avian collision with buildings should be					
		minimised by not creating sky glow from the use of night-time					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		lighting at or near the top of buildings or other structures. In addition to avoiding uplighting, light spillage should be minimised, while green and blue lights should be used where possible. As far as possible, lights should be controlled by motion sensors, and building operations should be managed in such a way as reduce or eliminate night lighting near windows. The potential advantages of removing unnecessary lighting in terms of reducing the carbon footprint of the LMC Loop development are obvious.					
S12.7	E5-DP1	• Minimize loss of natural vegetation along LMC Meander,	Minimize impacts on	Detailed	Construction	Detailed design,	۸
	/DP2/D	and suitable replacement planting with possible installation	Eurasian Otter	design	site within the	construction	
	P3	of otter holts and the provision of potential feeding area		consultant/	project	phase	
		and spraint locations for otters in the stabilized bank		Contractor			
		subject to detailed design.					
		• No significant change to velocity of water flow, water level					^
		or water quality.					
		No direct lighting on Meander.					^
		• 3m high, dull green site boundary fence for all					^
		developments associated with the project.					
		Pre-construction surveys for otter holts or natal dens will be					۸
		conducted in LMC Loop before the commencement of					
		construction works. Work in the area of any otter holt found					
		to cease pending examination by experienced Ecologist. If					
		in use for breeding, works in the area will temporarily stop					
		until end of breeding activity.					
		No construction activities within 100m of LMC Meander					^

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		between one hour prior to sunset and one hour after					
		sunrise.					۸
		· Provision of compensatory reed marsh in the Ecological					
		Area in LMC Loop, including open water channels and					
		islands within the reed marsh, both of which features are					
		considered to be used by the species.					
S12.7	E8-DP2	Refer to E2 and E3	Prevent impacts on Rose	Contractor	Within project	Construction	۸
			Bitterling, small		site	phase	
			snakehead and				
			Somanniathelphus				
			zanklon				
S12.7	E10-DP	Preserve undisturbed, semi-natural habitat conditions of	Minimize impacts on flight	Developer /	Within project	Detailed design,	۸
	1	LMC Meander and adjacent areas of LMC Loop up to	line corridor from LMC	Detailed	site	construction and	
		approximately 150m in width in order to avoid disturbance	Loop development	design		operation	
		to core part of flight line corridor.		consultant/		phases	
		• This area to comprise an Ecological Area largely		Contractor/			^
		constituting reed marsh and a 50m wide buffer zone		Operator			
		densely planted with shrubs and trees. Small number of					
		low buildings (max 14mPD high, except the building height					
		of on-site STW is 15mPD high) allowed in inner 25m of this					
		area at a plot ratio of 0.1.					
		• At Ha Wan Tsuen entry point for many birds to LMC Loop					۸
		area provide a wider Ecological Area to minimize					
		disturbance from nearby buildings.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		• Further minimisation of impact by maintaining a l	lower				N/A
		building height in areas adjacent to the buffer zone fo	or the				
		EA. In addition, the sewage treatment works, which	ch is				
		located near the point where many birds cross from	n the				
		Meander to HHW, should not exceed 15mPD.					
S12.7	E11-DP	Employ site boundary fence as long as possible. Use	of Minimize disturbance	Contractor	Within project	Construction	۸
	1	movable barrier for more intense site formation activity	y. impacts of mitigation		site	phase	
		Provision of fencing with 30cm gap between the existi	ng provisions				
		reed marsh and LMC Meander during the establishme	ent				
		period of Ecological Area and the gap will be closed	once				
		established.					
		Restrict work to period from 0900h to 1700h. All major					^
		works along the edge of LMC Meander and in	ı the				
		Ecological Area will be conducted in the wet season.					
S12.7	E12-DP	Minimal night-time lighting	Minimize impacts on LMC	Contractor/	All	Construction and	۸
	1/DP2/	No direct light on Meander	Meander	Operator		operation	^
	DP3					phases	
S12.7	E13-DP	Construction limited to wet season between the hour	irs of Minimize impacts from	Contractor/	Pond habitat	Construction and	۸
	2	9am and 5pm.	the construction and	Operator	along alignment	operation	
		Use of opaque visual/noise barriers and planting of tre	ees operation disturbance		(mainly Ha Wan	phases	^
		shrubs along length of road adjacent to fish ponds.	impacts		Tsuen Road)		
		Compensatory habitat management elsewhere to mitig	gate				۸
		wetland loss.					
S12.7	E13-DP	Use of viaduct alignment to minimize wetland	loss. Minmize wetland loss	Project	Within project	Detailed design	٨

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	3	Compensatory wetland habitat elsewhere.		Proponent /	site	and	
				Detailed		construction	
				design		phases	
				consultant /			
				Contractor /			
S12.7	E16-DP	Provision of compensatory reed marsh in the Ecological	Protect Odonata	Project	Ecological area	EA established	۸
	1	Area will provide habitat suitable for Common Evening		Proponent/		prior to	
		Hawker.		Detailed		construction and	۸
		Measures designed to protect other fauna and water		design		manage at all	
		quality will generally benefit odonata.		consultant/		phases	
				Contractor			
				Operator			
S12.7	E14-DP	· Replacement planting of native tree species relevant to	Minimize the ecological	Contractor	Woodland and	Construction	۸
	2	Deep Bay area and the area impacted. Planting to occur in	impacts		shrubland	phase	
		tandem with that required for woodland loss arising			habitat along Ha		
					Wan Tsuen		
					Road		
S12.7	E15-DP	Use noise/visual barriers to minimise disturbance.	Minimize impacts on flight	Contractor	Construction	Construction	۸
	2	Construction activities should not be carried out before	line corridor from		site from	phase	۸
		0900h or after 1700h in order to minimise disturbance to	Western Connection		Western		
		the flight line corridor (and to mammals).	Road		Connection		
					Road		
S12.7	E16-DP	Use of opaque visual/noise barriers and roadside planting	Minimize impacts on flight	Project	Construction	Detailed design,	۸
	2	of trees and shrubs to minimize disturbance impacts.	line corridor from	Proponent/	site from	construction and	

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
			Western Connection	Detailed	Western	operation	
			Road	design	Connection	phases	
				consultant/	Road		
				Contractor			
				Operator			
S12.9	EG2-D	All generic mitigation measures proposed in Tables 12.82a and	Avoid, minimize and	Project	All areas.	All phases	^
	P3	12.82b in the EIA report.	mitigate overall ecological	proponent /			
			impact.	contractor /			
				detailed			
				design			
				consultant /			
				developer /			
				operator			
Fisheries	(Construc	tion Phase)					
S13.7	F4-	Reprovision of replacement Artificial Reefs(of the same	Mitigate water quality	Project	To be	Construction	N/A
		volume as the existing ARs inside Marine Exclusion Zone)	impacts on the existing	proponent	determined	phase or	
			ARs			operation	
						phase	
S11.7	F2	Reduce re-suspension of sediments	Minimise marine water	Contractor	Seawall	During	N/A
		Limit dredging and works fronts.	quality impacts			construction	N/A
		Good site practices					N/A
		Strict enforcement of no marine dumping					N/A
		Spill response plan					N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
S13.7	F4-DP3	During the construction phase, a layer of sheet pile wall will be erected along the site boundary adjacent to fish ponds after commencement of site works. The sheet pile wall will be constructed by silent piling method (Press-in method) which induces minimal vibration. Therefore the stability of the fish pond bund will not be influenced by the construction of the sheet pile wall, subsequent construction works and the loading from the road during operational phase. In addition, the sheet pile wall will have grouting or a grout curtain to avoid water seepage from the fish pond to the excavation area. With these measures, significant impacts are not anticipated.	Bund stability	Contractor	Fish ponds	Construction phase	N/A
S13.7	F5-DP3	Temporary traffic arrangements will be instigated to maintain or provide alternative access to fish ponds during construction phase.	Prevent Blockage of Access Roads to Fish Ponds	Contractor	Fish ponds	Construction phase	٨
S13.7	F6-DP3	Standard mitigation measures to control site runoff and other pollutants caused by construction activities and good site practices will be implemented during the construction phase of the Project. Excavated material and other inert construction wastes produced will be transferred to proper recipients (i.e. landfill) (see Waste Management Section). Sewage from the proposed development will be dealt with via a sewerage system and will not be discharged directly to surrounding water bodies.	Avoid water quality impact	Contractor	Fish ponds	Construction phase	*
S13.7	F7-DP3	<ul> <li><u>Dust Minimization</u></li> <li>During all excavation works, good site practice should be adopted to minimize impacts on fisheries. The below site practices should be adopted during this time.</li> <li>Any excavated or stockpile of dusty material should be</li> </ul>	Dust minimization	Contractor	Fish ponds	Construction phase	Λ

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		covered entirely by impervious sheeting or sprayed with					
		water to maintain the entire surface wet and then removed					
		or backfilled or reinstated where practicable within 24					
		hours of the excavation or unloading;					
		<ul> <li>Any dusty materials remaining after a stockpile is</li> </ul>					
		removed should be wetted with water and cleared from the					
		surface of roads;					
		<ul> <li>Exposed earth should be properly treated by</li> </ul>					
		compaction, turfing, hydroseeding, vegetation planting or					
		sealing with latex, vinyl, bitumen, shortcrete or other					
		suitable surface stabiliser within six months after the last					
		construction activity on the construction site or part of the					
		construction site where the exposed earth lies;					
		Excavation profiles must be properly designed and					
		executed with attention to the relevant requirements for					
		environment, health and safety;					
		<ul> <li>In case the soil to be excavated is situated beneath the</li> </ul>					
		groundwater table, it may be necessary to lower the					
		groundwater table by installing well points or similar					
		means;					
		<ul> <li>Supply of suitable clean backfill material after</li> </ul>					
		excavation, if required;					
		<ul> <li>Vehicles containing any excavated materials should be</li> </ul>					
		suitably covered to limit potential dust emissions or					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					
		Speed control for the trucks carrying contaminated					
		materials should be enforced; and					
		<ul> <li>Vehicle wheel washing facilities at the site's exit points</li> </ul>					
		should be established and used.					
513.7	F8-DF3	<ul> <li>Contingency plan</li> <li>The contractor should prepare an emergency contingency plan for actions to be taken if significant impacts, such as accidental spillage of chemicals, water seepage from fish ponds, damaged/ destabilized pond bunds, pond water contamination by site runoff, on fish ponds occur. The contractor should submit the emergency contingency plan dealing with, but not limited to, the aforementioned potential impacts to the engineer for review, comment and approval. The fish pond operators will also be consulted for the details of the contingency plan, which will also be submitted to AFCD for review and comment. The plan should include, but not limited to, the following: <ul> <li>Potential emergency situations;</li> <li>Chemicals or hazardous materials used on-site (and their location);</li> <li>Emergency response team;</li> <li>Emergency response procedures;</li> </ul> </li> </ul>	spillage event	Operator	Fish ponds	operational phases	N/A
		<ul> <li>List of emergency telephone hotlines;</li> </ul>					
		<ul> <li>Locations and types of emergency response equipment;</li> </ul>					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		Training plan and testing for effectiveness.					
Food Safe	ty (Constr	uction Phase)					
S15	F1-DP3	<u>Contingency</u> plan	Minimize significant	Contractor	Fish pond within	Construction	N/A
		The contractor should have effective communication with Food	impacts on fish ponds		project site	phase	
		and Environmental Hygiene Department (FEHD) / Centre of					
		Food Surveillance Programme					
		(http://www.cfs.gov.hk/english/programme/programme_fs/progra					
		mme_fs.html). is undertaken by CFS to inspect food safety in					
		Hong Kong, with a three-tier surveillance strategy (consisting of					
		routine food surveillance, targeted food surveillance and					
		seasonal food surveillance). Under this programme, aquatic					
		products (including pond fish) at import, wholesale and retail					
		levels are sampled for microbiological (i.e. bacteria and viruses),					
		and radiation testings. All food safety surveillance results of by a					
		monthly "Food Safety Report" in press releases and also					
		presented in CFS website. If pond fish samples do not comply					
		with food safety standards and they are verified to be from fish					
		ponds of concerned under this study through "food tracing", fish					
		selling shall be stopped as instructed by CFS.					
S15	F2-DP3	Dust Minimization	Dust minimization	Contractor	Fish pond within	Construction	٨
		• During all excavation works, good site practice should be			project site	phase	
		adopted to minimize the release of TSP, impact of land					
		contamination and the associated food safety implications.					
		The below site practices should be adopted during					
		excavation works.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		· Any excavated or stockpile of dusty material should be					
		covered entirely by impervious sheeting or sprayed with					
		water to maintain the entire surface wet and then removed					
		or backfilled or reinstated where practicable within 24					
		hours of the excavation or unloading;					
		Any dusty materials remaining after a stockpile is removed					
		should be wetted with water and cleared from the surface					
		of roads;					
		Exposed earth should be properly treated by compaction,					
		turfing, hydroseeding, vegetation planting or sealing with					
		latex, vinyl, bitumen, shortcrete or other suitable surface					
		stabiliser within six months after the last construction					
		activity on the construction site or part of the construction					
		site where the exposed earth lies;					
		Excavation profiles must be properly designed and					
		executed with attention to the relevant requirements for					
		environment, health and safety;					
		In case the soil to be excavated is situated beneath the					
		groundwater table, it may be necessary to lower the					
		groundwater table by installing well points or similar					
		means;					
		Supply of suitable clean backfill material after excavation, if					
		required;					
		· Vehicles containing any excavated materials should be					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		suitably covered to limit potential dust emissions or					
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					
		Speed control for the trucks carrying contaminated					
		materials should be enforced; and					
		· Vehicle wheel washing facilities at the site's exit points					
		should be established and used.					

Remarks: ^ Compliance of mitigation measure

\* Recommendation was made during site audit but improved/rectified by the contractor

# Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage as no such site activities were conducted in the reporting period (e.g. concrete batching plan, barging point, seawall dredging and filling, bored piling, landscaping works etc)

APPENDIX K SITE AUDIT SUMMARY

# Appendix K: Site Audit Summary

<b>Table K-1: Observations and Recomm</b>	nendations of Site Audit in April 2022
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Parameters Date		Observations and	Follow-up							
		Recommendations	_							
Contract No.	Contract No. YL/2020/01									
]	No major env	vironmental deficiency was identified duri	ng site inspection.							
Contract No.	YL/2020/02									
Waste /	27/04/2022	Clear the oil spillage arising from the	Improvement/ Rectification was							
Chemical		breaker as chemical waste and properly	observed during follow-up audit							
Management		maintenance should be provided for the	session on 4 May 2022.							
		equipment to avoid further oil leakage								
		(LCS site).								
Ecology	06/04/2022	Clear the construction materials at the	Improvement/ Rectification was							
		stream and avoid further materials	observed during follow-up audit							
		nearby from getting into the stream (Fu	session on 13 April 2022.							
		Tai Site Area).								

Parameters Date		Observations and	Follow-up		
		Recommendations			
Contract No. YL	/2020/01				
Water Quality	11/05/2022	Provide sand bag bund to protect the	Improvement/ Rectification was		
/Ecology			session on 18th May 2022.		
Contract No. YI	/2020/02				
Water Ouality	04/05/2022	The floating rubbish at the Nullah at	Improvement/ Rectification was		
		flooding	observed during follow-up audit session on 11th May 2022		
		nooung.	50001011011111111111111111111111111111		
	11/05/2022				
	11/05/2022	Muddy surface runoff was observed discharging out from the GL works at	Improvement/ Rectification was observed during follow-up audit		
		Fu Tai Site Area. The Contractor was	session on 18th May 2022.		
		reminded to provide cut-off drain to			
		direct off site water around the site.			
	25/05/2022	Clear the construction materials within	Follow-up action was needed		
Landscape and		the tree protection zone and provide	during the audit session on 1st		
Visual		the fencing surrounding the retain	June 2022.		
		trees at LCS.			
Contract No. YL	./2021/01				
N	o major envi	ronmental deficiency was identified duri	ng site inspection.		

 Table K-2: Observations and Recommendations of Site Audit in May 2022

Parameters	Date	Observations and	Follow-up			
		Recommendations				
Contract No. Y	L/2020/01					
	01/06/2022	The site exit at the TAR3 should be paved.	Follow-up action was needed during the audit session on 8th June 2022.			
	08/06/2022	The site exit at TAR3 should be paved and the sand bag bund should be placed at the site boundary facing EA zone.	Improvement/ Rectification was observed during follow-up audit session on 15th June 2022.			
Water Quality	15/06/2022	Clear the muddy surface runoff & mud trails at the site exits at Ha Wan Tsuen Road and provide mitigation measures to avoid the recurrence of the aforesaid issue.	Improvement/ Rectification was observed during follow-up audit session on 22nd June 2022.			
	22/06/2022	The exposed soil surface at WCR should be covered with tarpaulin sheet to avoid muddy surface runoff.	Improvement/ Rectification was observed during follow-up audit session on 29th June 2022.			
Contract No. Y	L/2020/02	· · · · · ·				
Landscape and Visual	<i>Landscape and</i> <i>Visual</i> 01/06/2022 Clear the construction materials within Improvement/ Rectification the tree protection zone and provide the observed during follow-up a fencing surrounding the retain trees at session on 8th June 2022.					
Water Quality	01/06/2022	Provide proper management of dredged muck arising from the bored piling work to avoid spreading out to the nearby drain (LCS)	Improvement/ Rectification was observed during follow-up audit session on 8th June 2022.			
	Follow-up action was needed during the audit session on 29th June 2022.					
Air Quality	22/06/2022	Provide wheel washing facilities at the site exit of CS1.	Follow-up action was needed during the audit session on 29th June 2022.			
Contract No. Y	L/2021/01					
Air Quality	20/06/2022	Faded NRMM label should be replaced	Improvement/ Rectification was observed during follow-up audit session on 27th June 2022.			
Water Quality	20/06/2022	To enhance water mitigation measures next to water outlet to ensure untreated waste water does not exit through water outlet.	Improvement/ Rectification was observed during follow-up audit session on 27th June 2022.			

### Table K-3: Observations and Recommendations of Site Audit in June 2022

APPENDIX L WASTE GENERATION IN THE REPORTING PERIOD

## Monthly Summary Waste Flow Table for <u>2022</u> (year)

Name of Person completing the record: Lila Lui (EO)

Development of Lok Ma Chau Loop : Main Works Package 1 - Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Contract No.: YL/2020/01 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Hard Rock **Total Quantity** and Large Paper/ \*Reused in Reused in Disposed as Generated Plastics Chemical Others. e.a. Broken the Contract other Projects Public Fill Imported Fill cardboard Yard Waste Metals Month (a)= Waste general refuse Concrete (c) (d) (e) packaging/ (b)+(c)+(d)+(e) (b) (in '000m<sup>3</sup>)  $(in '000m^3)$ (in '000 kg) (in '000kg) (in '000kg) (in '000kg) (in '000kg) (in '000m<sup>3</sup>)  $(in '000m^3)$ (in '000m<sup>3</sup>) (in '000m<sup>3</sup>) (in '000m<sup>3</sup>) 0.000 Jan-22 1.485 0.000 1.472 0.000 0.013 0.000 0.000 0.000 76.140 0.000 1.730 0.242 0.000 0.000 0.242 0.000 Feb-22 0.000 0.000 9.150 0.000 24.170 0.000 0.426 Mar-22 0.120 0.000 0.000 0.000 0.120 0.000 0.000 0.000 0.000 0.000 0.000 0.143 0.058 0.058 Apr-22 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.068 Mav-22 0.022 0.000 0.000 0.000 0.022 0.000 0.001 0.000 0.010 13.630 0.000 0.021 0.000 0.000 0.194 0.000 0.000 Jun-22 0.004 0.000 0.000 0.004 0.000 0.008 0.023 0.000 2.411 Sub-total 1.930 0.000 1.472 0.000 0.458 0.000 9.159 0.204 113.940 0.000 Jul-22 Aug-22 Sep-22 Oct-22 Nov-22 Dec-22 1.930 0.000 0.204 Total 0.000 1.472 0.458 0.000 9.159 0.000 113.940 0.000 2.411

Remarks:

1.Assume the density of soil fill=2.0 tonnes/m3

2.Assume the density of rock and broken concrete=2.5 tonnes/m3

3.Assume the density of refuse = 1.5 tonnes/m3

4. The inert C&D material except slurry and bentonite are disposed at Tuen Mun 38

5. The slurry and bentonite are disposed at Tseung Kuwn O 137.

6. The non-inert C&D wastes, including general refuse are disposed at NENT

# Monthly Summary Waste Flow Table for 2022 (year)

Name of Person completing the record: Calvin So (EO)

Project : Development of Lok Ma Chau Loop: Main Works Package 1- Contract 2, Western Connection Road Phase 2,

Connection Roads in Fanling / San Tin Highway and Direct Road Link Phase 1

	Connection Roads in Fanling / San Tin Highway and Direct Road Link Phase 1 Contract No.: YL/2020/02										
Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Genera									s Generated Mo	nthly	
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	$(in '000 m^3)$
Jan	0.000	0.000	0.000	0.000	0.000	0.458	0.000	0.000	0.000	0.000	0.131
Feb	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.121
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Apr	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.121
May	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.184
Jun	0.000	0.000	0.000	0.000	0.167	0.000	0.000	0.000	0.000	0.000	0.576
Sub-total	0.000	0.000	0.000	0.000	0.248	0.503	0.000	0.000	0.000	0.000	1.173
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	0.000	0.000	0.000	0.248	0.503	0.000	0.000	0.000	0.000	1.173

Note:

For non-inert portion of C&D material, assume the density of 1 m<sup>3</sup> general refuse is equal to 200 kg. 1.

For inert portion of C&D material, assume 6 m<sup>3</sup> per each full-filled dump truck. 2.

3. All values are round off to the third decimal places.

### Monthly Summary Waste Flow Table for <u>2022</u> (year)

Name of Person completing the record:

Development of Lok Ma Chau Loop : Main Works Package 1 - Contract 3

Development	evelopment of Lok Ma Chau Loop : Main Works Package 1 – Contract 3 Contract No.: YL/2021/01											
		Actual Quantit	ies of Inert C&D	Materials Gene	erated Monthly	Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated (a)= (b)+(c)+(d)+( e)	Hard Rock and Large Broken Concrete (b)	*Reused in the Contract (c)	Reused in other Projects (d)	Disposed as Public Fill (e)	Imported Fill	Metals	Paper/ cardboard packaging/	Plastics (see Note 3)	Yard Waste	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan-22												
Feb-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.002
Jun-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.002
Jul-22												
Aug-22												
Sep-22												
Oct-22												
Nov-22												
Dec-22												
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.002

Remarks:

1.Assume the density of soil fill=2.0 tonnes/m3

2.Assume the density of rock and broken concrete=2.5 tonnes/m3

3.Assume the density of refuse = 1.5 tonnes/m3

4. The inert C&D material except slurry and bentonite are disposed at Tuen Mun 38

5. The slurry and bentonite are disposed at Tseung Kuwn O 137.

6.The non-inert C&D wastes, including general refuse are disposed at NENT

APPENDIX M COMPLAINT LOG

#### Appendix M - Complaint Log

#### Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Complaint Nature	Investigation Fining	Status
1	9-Sep-19	EPD	EPD Ref: 25222-19	Water quality and air quality	Non-project related	Interim report was submitted to EPD on 23 Sep 2019
2	11-Oct-19	EPD	EPD Ref: 28550-19	Air quality	Non-project related	Interim report was submitted to EPD on 6 Nov 2019
3	30-Oct-19	EPD	EPD Ref: 30478-19	Air quality	Non-project related	Interim report was submitted to EPD 14 Nov 2019
4	10-Dec-19	1823 (CEDD)	1823 Case no: 2- 6145710343	Noise and air quality	Non-project related	Final reply to 1823 on 24 Dec 2019. IR prepared by Contractor was agreed by IEC and ET
5	5-Mar-21	1823	1823 Case no: 3- 6641544979	Air quality	Non-project related	Final reply to 1823 on 11 Mar 2021. IR prepared by Contractor was agreed by IEC and ET
Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 / Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Fining	Status
COM-	11 October	EPD	EPD File	EPD received a public	(a) <u>Water Quality</u>	Interim report
2021-	2021		Ref.:	complaint on 11 October	Non-project related	was submitted
10-01			N07/RN/00	2021. The complainant	According to the interim report, wastewater treatment	to EPD on 29
			024120-21	alleged the following:	facilities and relevant mitigation measures were properly	Oct 2021
				(a) Discharge of muddy	implemented and there is no direct evidence to	
				water from construction sites	demonstrate the muddy discharge was inducted by the	
				of "Development of Lok Ma	Contract.	
				Chau Loop" project to	Further preventive measures, such as increasing the height	
				Shenzhen River in the	of the temporary drainage by using sandbag and providing	
				morning of 8 October 2021;	the earth bund with geo-textile along the site boundary,	
				and,	were implemented on 12 October 2021 in order to avoid	
				(b) Use of powered	muddy water from leaking into Shen Zhen River.	
				mechanical equipment		
				(including excavators and	(b) <u>Noise</u>	
				dump trucks) in the	Project related	
				construction sites of		
				"Development of Lok Ma	Typhoon No. 8 (Tropical cyclone: Lion Rock) was hoisted	
				Chau Loop" project on	on 9 October 2021. Severe rainfall was recorded due to	
				Sunday.	the adverse weather. To avoid leakage of the muddy water	
					into the meander of the Shenzhen River, JV mobilized an	
					excavator and dump truck to clear the blockage as an	
					emergency measure.	
					ET reminded the Contractor to update the site drainage	
					plan according to the construction programme and closely	
		<u> </u>	<u> </u>		check the effectiveness of the implemented mitigation	

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Fining	Status
					<ul><li>measures on site so that the EP, EIA and EM&amp;A manual recommendation and requirements are complied with.</li><li>In addition, the Contractor was also reminded to prepare a contingency plan for emergency environmental incidents.</li></ul>	
COM- 2021- 11-01	15 November 2021	EPD	EPD File Ref.: N06/RN/00 027302-21	EPD received a public complaint on 15 November 2021. The complainant concerned about the dust nuisance in the construction sites of "Development of Lok Ma Chau Loop" project.	<ul> <li>According to the interim report, dust mitigation measures have been properly implemented on site:</li> <li>Haul road of the main site have been paved with concrete and the speed of the vehicle has been restricted to below 8kmper hour within the construction area to minimize fugitive dust emission.</li> <li>Wheel washing fallibilities have been established at the location where the vehicles into the haul road in order to keep clear of any loose surface material.</li> <li>Mist spray and water trucks have been provided to water the paved haul road regularly and at least once per hour on exposed work site.</li> <li>Water spray has been provided during the handling of the fill material at the site and all the dusty loads transported to, from and between site location have been covered.</li> <li>Induction training and tool box talk have been provided to the site staff and workers regarding the dust suppression measure.</li> <li>Temporary covers have been provided to stockpile of the dusty materials and the exposed slope.</li> </ul>	Interim report was submitted to EPD on 25 Nov 2021

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Fining	Status
					automatic water spray system along the haul road and increasing the amount of the mist spray machine to enhance the efficiency of the dust suppression measures will also be provided.	
COM- 2022- 01-01	2 January 2022	EPD	EPD File Ref.: N06/RN/00 000184-22	EPD received a public complaint by phone in Jan 2022 regarding noise from general construction work associated with the Lok Ma Chau Loop Development Project being carried out on 2.1.2022 at around 15:30 hours (i.e. within the restricted hours on Sunday).	According to the location under complaint, the work was likely carried out within the work site of "Direct Road Link to MTR Lok Ma Chau Station" and/or "Western Connection Road". Therefore, interim reports were submitted by Contract No.: YL/2020/01 and YL/2020/02 respectively:- <u>Contract No.: YL/2020/01</u> According to the site diary, no construction work was carried out during restricted hours at the location under complaint for YL/2020/01 on 2 January 2022. For prevention measure, Permit –to –Work system has been implemented for all the construction works being conducted in the restricted hours to enhance site control. All the construction works need to inform JV at least one day in advance. In addition, all staff and workers involved in the site operation during the restricted hours have to obtain a valid site pass and display to the security guards when entering site area for the enhancement of the site security system. Based on the above information and investigation findings, the noise complaint is not related to the construction works of the Contract YL/2020/01.	Interim report was submitted to EPD on 14 Feb 2022

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Fining	Status
					<u>Contract No.: YL/2020/02</u> According to the site diary, no construction work was carried out during restricted hours at the location under complaint on 2 January 2022 for YL/2020/02. Nevertheless, construction team was reminded to strictly follow the requirement stated in the issued construction noise permit when construction work is required during restricted hours. Based on the above information and investigation findings, the noise complaint is not related to the construction works of the Contract YL/2020/02.	
COM- 2022- 04-01	4 April 2022	1823	1823 Case no: 3- 715542674 8	The complainant concerned about the muddy surface runoff arising from the construction works of "Development of Lok Ma Chau Loop" project. at Lok Ma Chau Road near Ha Wan Tsuen Road.	According to the interim report, no construction works was carried out at the location of complaint which is outside the site boundary of the Project from 1st April to 4th April 2022. Appropriate water quality mitigation measures have been properly implemented on site and there is no direct evidence to demonstrate the muddy discharge was inducted by the Project. Further preventive measures, such as set up a monitoring point at the exit of the site to check the wheels of the vehicles are clean enough so that no mud and grit adhered to the wheels of the trucks when leaving the site. In addition, sprinkler truck will be only operated at appropriate location within the project site to avoid nuisance to the public road user.	Final reply to 1823 on 12 April 2022. Interim report prepared by Contractor was agreed by IEC and ET

APPENDIX N SUMMARY OF SUCCESSFUL PROSECUTION Appendix N - Summary of Successful Prosecution

Date of Successful Prosecution	Details of the Successful Prosecution	Status	Follow Up

APPENDIX O MONITORING SCHEDULE FOR THE PRESENT AND NEXT REPORTING QUARTER

# Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team Impact Monitoring Schedule (April 2022)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Apr	2-Apr
					water Quality Monitoring	
3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr
					Aquatic Fauna Survey (Water	
			1hr TSP X 3		Quality Monitoring only)	
			Noise			
	24hr TSP				24hr TSP	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)			
10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr
			Aquatic Fauna Survey (Water			
		Thr TSP X 3	Quality Monitoring only)	Thr TSP X 3		
		Noise	241- TCD			
	Watan Quality Manitoring		24III ISP Watan Quality Manitoring			
	water Quality Monitoring		Avifauna Survey (Bond 12)			
17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr
17-Арг	10-401	19-191	20-1101	21-71-0	22-1491	25-7101
			1hr TSP X 3	Aquatic Fauna Survey		
			Noise	riquite runni surrey		
		24hr TSP				
		Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr
	Aquatic Fauna Survey (Water					
	Quality Monitoring only)	1hr TSP X 3			1hr TSP X 3	
		Noise				
	24hr TSP			24hr TSP		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
	Herpetofauna Survey		Avifauna Survey (Pond 12)			

#### Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

### Noise Monitoring Station

NMS-1 - Village House in Ha Wan Tsuen

NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

Hill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Water Quality Monitoring Station

CS1 - Control Station at Old Shenzhen River Meander IS1 - Impact Station at Old Shenzhen River Meander IS2 - Impact Station at Old Shenzhen River Meander IS4 - Impact Station for at Ping Hang Stream CS5 - Control Station at channel at south of Lung Hau Road IS6 - Impact Station next to Lung Hau Road BS1 - Impact Station at Old Shenzhen River Meander (Terminated starting from 28 June 2021- approved by EPD

via email dated 22 June 2021)

# Service Contract No. WD/04/2020 Impact Monitoring Schedule (May 2022)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-May	2-May	3-May	4-May	5-May	6-May	7-May
			Aquatic Fauna Survey (Water			
			Quality Monitoring only)	1hr TSP X 3		
				Noise		
			24hr TSP			
		Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring
			Avifauna Survey (Pond 12)			
8-May	9-May	10-May	11-May	12-May	13-May	14-May
				Aquatic Fauna Survey (Water		
			1hr TSP X 3	Quality Monitoring only)		
			Noise			
		24hr TSP				
		Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring
			Avifauna Survey (Pond 12)		Herpetofauna Survey	
15-May	16-May	17-May	18-May	19-May	20-May	21-May
			Aquatic Fauna Survey (Water			
		1hr TSP X 3	Quality Monitoring only)			
		Noise				
	24hr TSP				24hr TSP	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
22-May	23-May	24-May	25-May	26-May	27-May	28-May
	Ihr ISP X 3				Thr TSP X 3	
	Noise			2.41 (50)		
				24hr TSP		
	water Quality Monitoring		Water Quality Monitoring		water Quality Monitoring	
20 M	20.14	Aquatic Fauna Survey	Avifauna Survey (Pond 12)			
29-May	30-May	31-May				
	Aquatic Fauna Survey (Water					
	Quality Monitoring only)					
	Watan Ozalita Manit					
	water Quality Monitoring					

# Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Noise Monitoring Station

NMS-1 - Village House in Ha Wan Tsuen NMS-2 - Village house along existing Ha Wan Tsuen East Road NMS-3 - Village house along Old Border Road

#### Water Quality Monitoring Station

#### Service Contract No. WD/04/2020 Impact Monitoring Schedule (June 2022)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-Jun	2-Jun	3-Jun	4-Jun
				1hr TSP X 3		
				Noise		
			24hr TSP			
			Water Quality Monitoring			Water Quality Monitoring
			Avifauna Survey (Pond 12)			
5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun
					Aquatic Fauna Survey	
			1hr TSP X 3		(Water Quality Monitoring	
			Noise			
		24hr TSP		Herpetofauna Survey		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)			
12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun
			Aquatic Fauna Survey			
		1hr TSP X 3				
		Noise				
	24hr TSP				24hr TSP	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun
			Aquatic Fauna Survey			
	1hr TSP X 3		(Water Quality Monitoring only)		1hr TSP X 3	
					Noise	
				24hr TSP		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)			
26-Jun	27-Jun	28-Jun	29-Jun	30-Jun		
	Aquatic Fauna Survey					
	(Water Quality Monitoring			1hr TSP X 3		
				Noise		
			24hr TSP			
	Water Quality Monitoring		Water Quality Monitoring			
			Avifauna Survey (Pond 12)			

# Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force. Lok Ma Chau Operation Ba

#### Noise Monitoring Station

NMS-1 - Village House in Ha Wan Tsuen NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Water Quality Monitoring Station

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	, i i i i i i i i i i i i i i i i i i i	, , , , , , , , , , , , , , , , , , ,	ž	ž	1-Jul	2-Jul
						*Water Quality Monitoring
3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul
		Aquatic Fauna Survey				
		(Water Quality Monitoring	1hr TSP X 3			
			Noise			
		24hr TSP				
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
10 1-1	11 5.1	12 54	Avifauna Survey (Pond 12)	14 51	15 1.1	16 14
10-Jul	11-Jul	12-Jul	Aquatic Fauna Survey	14-Jul	13-Jul	10-Jul
		1hr TSP X 3	Aquatic Faula Survey			
		Noise				
	24hr TSP				24hr TSP	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)			
17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul
	11 TOD V 2		Aquatic Fauna Survey		11 TOD V 2	
	Inf ISP X 5		(water Quality Monitoring only)		Inf ISP X 5	
	INDISC			24hr TSP		
	Water Quality Monitoring		Water Quality Monitoring	2411 101	Water Quality Monitoring	
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul
			Aquatic Fauna Survey			
			(Water Quality Monitoring only)	1hr TSP X 3		
	Herpetofauna Survey		0.41 mgp	Noise		
	Watan Ozalita Manitaria		24hr TSP		Water Oralita Manitaria	
	water Quality Monitoring		Avifound Survey (Bond 12)		water Quanty Monitoring	
31.Jul			Avitaulia Survey (Folid 12)			
			1			

Service Contract No. WD/04/2020 Tentative Impact Monitoring Schedule (July 2022)

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

\* Water quality monitoring scheduled on 2 July 2022 was cancelled due to Typhoon Signal no. 8

#### Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road

### Noise Monitoring Station

NMS-1 - Village House in Ha Wan Tsuen NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Water Quality Monitoring Station

CS1 - Control Station at Old Shenzhen River Meander IS1 - Impact Station at Old Shenzhen River Meander IS2 - Impact Station at Old Shenzhen River Meander IS4 - Impact Station for at Ping Hang Stream CS5 - Control Station at channel at south of Lung Hau Road IS6 - Impact Station next to Lung Hau Road BS1 - Impact Station at Old Shenzhen River Meander (Terminated starting from 28 June 2021- approved by EPD

via email dated 22 June 2021)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	6-Aug
			1hr TSP X 3			
			Noise			
		24hr TSP	110150	Aquatic Fauna Survey		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)			
7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug
			Aquatic Fauna Survey (Water			
		1hr TSP X 3	Quality Monitoring only)			
		Noise				
	24hr TSP				24hr TSP	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
11.1	15.4	16.4	17.4	10.4	Avifauna Survey (Pond 12)	20.4
14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
	1hr TSP X 3		Aquatic Fauna Survey (water Quality Monitoring only)		1br TSP X 3	
	111 151 X 5		Quality Monitoring only)	Herpetofauna Survey	Noise	
				24hr TSP	TOISE	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug
	Aquatic Fauna Survey (Water					
	Quality Monitoring only)			1hr TSP X 3		
				Noise		
			24hr TSP		We out March	
	water Quality Monitoring		Water Quality Monitoring		water Quality Monitoring	
28 Aug	20 4.02	20 4.02	Avifauna Survey (Pond 12)			
20-Aug	29-Aug	50-Aug	51-Aug			
			1hr TSP X 3			
			Noise			
		24hr TSP				
	Water Quality Monitoring		Water Quality Monitoring			
			Avifauna Survey (Pond 12)			

#### Service Contract No. WD/04/2020 Tentative Impact Monitoring Schedule (August 2022)

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

#### Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

# **Noise Monitoring Station**

NMS-1 - Village House in Ha Wan Tsuen

NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

ill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Water Quality Monitoring Station

# Service Contract No. WD/04/2020 Tentative Impact Monitoring Schedule (September 2022)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Sep	2-Sep	3-Sep
					Aquatic Fauna Survey (Water	
					Quality Monitoring only)	
					water Quality Monitoring	
4-Sep	5-Sep	6-Sep	7-Sep	8-Sep	9-Sep	10-Sep
		1hr TSP X 3			1hr TSP X 3	
	241- TOD	Noise	Aquatic Fauna Survey	2.41		
	24III ISP Water Quality Monitoring		Water Quality Monitoring	2411 ISP	Water Quality Monitoring	
	water Quanty Monitoring		Avifauna Survey (Pond 12)		water Quanty Monitoring	
11-Sen	12-Sep	13-Sep	14-Sen	15-Sen	16-Sep	17-Sep
11 500	12 000	Aquatic Fauna Survey (Water	1.500	10 500	10 000	1, 565
		Quality Monitoring only)		1hr TSP X 3		
				Noise		
		Herpetofauna Survey	24hr TSP			
		Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring
			Avifauna Survey (Pond 12)		Avifauna flight line survey	
18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep
	Aquatic Fauna Survey (Water		11 TOD X 2			
	Quality Monitoring only)		Inr ISP X 3			
		24hr TSP	Noise			
	Water Quality Monitoring	2411 151	Water Quality Monitoring		Water Quality Monitoring	
	water Quanty Wontoring		Avifauna Survey (Pond 12)		water Quanty Wontoring	
25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	
	•		Aquatic Fauna Survey (Water		-	
		1hr TSP X 3	Quality Monitoring only)			
		Noise				
	24hr TSP				24hr TSP	
	water Quality Monitoring		water Quality Monitoring		water Quality Monitoring	
			Avitauna Survey (Pond 12)			

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

# Air Quality Monitoring Station

DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2A - Village house along Lok Ma Chau Road DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

#### Noise Monitoring Station

NMS-1 - Village House in Ha Wan Tsuen NMS-2 - Village house along existing Ha Wan Tsuen East Road NMS-3 - Village house along Old Border Road

#### Water Quality Monitoring Station