

生態系統顧問有限公司

ECOSYSTEMS LTD.

Your ref.

Our ref. 2486-1/LCS/L010

18 October 2024 Date:

Environmental Protection Department Environmental Assessment Division Territory South Group Lantau North West 27th Floor, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong

By Post and Email

Attn: Mr. Andy Wong (EPD Env Protection Offr (Territory S)11)

Dear MR. WONG,

Contract No. PW 1/2024 Environmental Monitoring Works for Lung Kwu Chau Jetty **Repair Works Submission of Monthly EM&A Report (Issue 3)**

Pursuant to Conditions 4.6 of the EP No. EP-150/2002/A, we hereby submit the Monthly EM&A Report (Issue 3) for the captioned Project at Lung Kwu Chau Jetty.

The aforesaid submission has been certified by the Environmental Team (ET) and verified by the Independent Engineer (IE). The ET certification and the IE verification letters have been enclosed for your record. Should you have any questions please feel free to contact us.

Yours faithfully,

Vincent LAI (ET Leader) Managing Director

Ecosystems Ltd.

香港九龍油塘高輝道 17號油塘工業城 B2座 12樓 13室 Unit B13, 12/F., Block B2, Yau Tong Industrial City, 17 Ko Fai Road, Yau Tong, Kowloon, Hong Kong Web Site: www.ecosystems-ltd.com

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生態系統顧問有限公司

ECOSYSTEMS LTD.

Your ref.

Our ref. 2486-1/LCS/L009

By Post and Email

Date: 18 October 2024

Civil Engineering and Development Department
Civil Engineering Office
Port Works Division
Maintenance Section 2
4/F, Civil Engineering and Development Building,
101 Princess Margaret Road, Homantin,
Kowloon

Attn: Mr. Li (CEDD Engr / Maintenance 2 B)

Dear Sir,

Contract No. PW 1/2024 Environmental Monitoring Works for Lung Kwu Chau Jetty Repair Works

<u>Certification of Monthly EM&A Report (Issue 3)</u>

Pursuant to Conditions 4.6 of the EP No. EP-150/2002/A, we hereby certify the Monthly EM&A Report (Issue 3) for the captioned Project at Lung Kwu Chau Jetty.

Should you have any questions please feel free to contact us.

Yours faithfully,

Vincent LAI (ET Leader) Managing Director Ecosystems Ltd.

cc Independent Engineer Mr. Ivan Ting

香港九龍油塘高輝道 17 號油塘工業城 B2 座 12 樓 13 室 Unit B13, 12/F., Block B2, Yau Tong Industrial City, 17 Ko Fai Road, Yau Tong, Kowloon, Hong Kong Web Site: www.ecosystems-ltd.com



UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145 Hennessy Road, Wan Chai, Hong Kong

By Post

Our Ref : P240304 -EMA-202409-V Date : 18th October 2024

Civil Engineering and Development Department
Civil Engineering Office
Port Works Division
Maintenance Section 2
4/F, Civil Engineering and Development Building,
101 Princess Margaret Rd, Homantin, Kowloon

Attn: Mr. Kalvin Li

Agreement No. PW 2/2024 Independent Environmental Checker for Lung Kwu Chau Jetty Repair Works Monthly EM&A Report for September 2024

Dear Sir,

Pursuant to Condition 4.6 of Environmental Permit (EP) No. EP-150/2002/A, please note the report "Monthly EM&A Report No 1 (Issue 3)" dated 18 October 2024 submitted under the EP, certified by the Environmental Team Leader on 18 October 2024, had been reviewed and is hereby verified.

Should you have any query, please feel free to contact the undersigned at 3756 9590 or ivanting@umwelt.consulting.

Your faithfully,

For and on behalf of:

Umwelt Consulting Limited

Ting o Chung Ivan

Independent Engineer

Contract No. PW 1/2024 Environmental Monitoring Works for Lung Kwu Chau Jetty Repair Works

Monthly EM&A Report No 1 (Issue 3)



Ecosystems Limited 生態系統顧問有限公司

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| Issue | Date | Description |
|-------|-------------|---------------|
| 1 | 8 Oct 2024 | Draft Issue |
| 2 | 15 Oct 2024 | Revised Issue |
| 3 | 18 Oct 2024 | Third Issue |

| | Name | Role | Signature | Date |
|-------------|---------------------|------------------------------|-----------|------------|
| Prepared by | Klinsmann CHEUNG | Ecologist | | 18/10/2024 |
| Approved by | Vincent LAI | Environmental Team Leader | ly | 18/10/2024 |

EXECUTIVE SUMMARY

The Lung Kwu Chau Jetty (the Jetty) is situated within the Sha Chau and Lung Kwu Chau Marine Park, the construction and operation of the Jetty is a designated project, a statutory EIA process was conducted, and the Environmental Impact Assessment (EIA) report was approved in November 2002 (Register No.: AEIAR-066/2002). The current Environmental Permit (EP) (EP No. EP-150/2002/A) was granted by the Director of Environmental Protection to CEDD in May 2003, and the construction works were completed in November 2003. However, substantial repair works would be required after inspection by CEDD in 2023.

The EP was issued to CEDD for the construction and operation of the Jetty, and the proposed repair works could be covered by the existing scope of EP. Ecosystems Ltd. is commissioned by CEDD as the Environmental Team responsible for the environmental monitoring requirements recommended in the EM&A Manual and EIA Report.

According to the EM&A Manual, baseline marine water monitoring was carried out at 3 designated monitoring stations from 15 July to 12 August 2024. The proposed repair works commenced on 23rd September 2024 and respective monitoring was also commenced.

Monitoring parameters including Dissolved Oxygen (DO), Turbidity and Suspended Solids (SS), and other relevant data (such as water depth, monitoring time, water temperature, salinity, pH, Dissolved Oxygen Saturation (%), tidal stages, weather and sea conditions) were recorded during the baseline monitoring.

This is the 1st EM&A report submitted under the Condition 4.2 of EP No. EP-150/2002/A. This report summarizes the findings on EM&A during the period from 23rd to 30th September 2024.

Exceedance of Action and Limit Levels

During the monitoring period in September 2024, low level of DO was recorded on 23rd September 2024 at control station C1 during mid-flood tide. After investigation, no construction activities were conducted on the day of exceedances. The exceedance was probably due to localized natural variations. No Project-related Action or Limit Level exceedance were recorded.

Implementation of Mitigation Measures

Site audits were carried out on 27th September 2024 to confirm the implementation measures undertaken by the Contractor in the reporting month. The outcomes are presented in **Section 3.2**.

Record of Complaints

There was no record of complaints received, and no notifications of any summons and successful prosecutions in the reporting month.

Future Key Issues

Construction activities to be undertaken in the next reporting period of October 2024 include demolish of the existing pavement and its underneath filling materials, refixing the dislocated the top layer of the concrete blocks, erection of formwork and pouring in-situ concrete for the pavement, and installation of anchor posts. Potential environmental impacts due to the construction activities will be monitored.

Environmental mitigation measures will be implemented on site as recommended and weekly site audits will be carried out to ensure that the environmental conditions are acceptable.

1. INTRODUCTION

1.1 Background

- 1.1.1 The Lung Kwu Chau Jetty (the Jetty) is situated within Sha Chau and Lung Kwu Chau Marine Park which is managed by the Civil Aviation Department (CAD) and maintained by Port Works Division (PWD) of Civil Engineering and Development Department (CEDD). Since the Jetty is situated within the marine park, the construction and operation of the Jetty is a designated project, a statutory EIA process was conducted, and the Environmental Impact Assessment (EIA) report was approved in November 2002 (Register No.: AEIAR-066/2002). The current Environmental Permit (EP) (EP No. EP-150/2002/A) was granted by the Director of Environmental Protection to CEDD in May 2003, and the construction works were completed in November 2003.
- 1.1.2 Further to the previous repair works, PWD inspected the Jetty in November 2023 and considered that substantial repair works would be required. Location plan of the works area is shown in **Figure 1**. The scope of the works comprises:
 - (i) removing damaged pier slab at the Jetty;
 - (ii) taking down and refixing the dislocated concrete blocks:
 - (iii) concreting the pier slab at the Jetty; and
 - (iv) installing anchor posts on the Jetty.
- 1.1.3 The EP (EP No. EP-150/2002/A) was issued to CEDD for the construction and operation of the Jetty, and the proposed repair works could be covered by the existing scope of EP. Ecosystems Ltd. is commissioned by CEDD as the Environmental Team to take into account the environmental monitoring requirements recommended in the EM&A Manual and EIA Report.
- 1.1.4 In accordance with the approved EIA Report, an EM&A programme is recommended to ensure compliance with the EIA study recommendations, to assess the effectiveness of the recommended mitigation measures and to identify any further need for additional mitigation measures or remedial action.

Line of Communication

1.2 Project Organization

1.2.1 The project organization structure and lines of communication with respect to the environmental management structure is shown below:

Environmental Project Protection Proponent Department (EPD) Engineer or Independent Engineer's Engineer Representative (IE) (ER) The Contractor Environmental Team (ET)

Project Organization for Environmental Works

1.2.2 The key personnel and contact are summarized in **Table 1.1**.

Table 1.1 Contact Information of Key Personnel

| Party | Position | Name | Telephone | Fax |
|---|------------------------------|-------------|-----------|-----------|
| CEDD (Project | Engineer | Kalvin Li | 2762 5567 | 2714 2054 |
| Proponent) | - | | | |
| Contractor (Build King – CRCC Harbour Joint Venture) | Site Agent | Jerry Lau | 6353 5489 | - |
| Ecosystems Ltd. | Environmental Team Leader | Vincent Lai | 2553 0468 | 2552 9191 |
| Umwelt Consulting Ltd. | Independent Engineer | Ivan Ting | 3756 9590 | 3582 3310 |

1.3 Summary of Construction Activities

- 1.3.1 During the reporting month, construction works of the Project undertaken include:
 - Mobilization of plants and materials to site
 - Erection of double silt curtain and fencing off the site
- 1.3.2 The construction works programme of the Project is provided in **Appendix A**.

1.4 Summary of EM&A Programme Requirements

1.4.1 The status of EM&A programme for the relevant environmental aspects required under the EM&A Manual are presented in **Table 1.2**. The requirements of relevant environmental monitoring are presented in **Section 2**.

Table 1.2 Summary of Status for the Relevant EM&A Programme under the EM&A Manual

| Parameters | Descriptions | Locations | Frequencies | Status |
|-----------------|--------------|---------------|-------------|----------|
| Water quality | Dissolved | C1, C2 and M2 | 3 days per | On-going |
| | oxygen (DO), | | week | |
| | dissolved | | | |
| | oxygen | | | |
| | saturation | | | |
| | (DO%, | | | |
| | temperature, | | | |
| | turbidity, | | | |
| | salinity, pH | | | |
| | and | | | |
| | suspended | | | |
| | solids (SS) | | | |
| Environmental | Mitigation | Project Site | Weekly | On-going |
| site inspection | measures, | | | |
| | and waste | | | |
| | management | | | |

2. ENVIRONMENTAL MONITORING AND AUDIT RESULTS

2.1 Summary of EM&A Manual's Requirement

2.1.1 In accordance with the EM&A Manual under the Project, impact monitoring shall be conducted during construction phase during dredging works. However, no dredging works are proposed for the present repairing works. The purpose of the present impact monitoring is to ensure the implementation of the recommended mitigation measures, provide effective control of any malpractices, and provide continuous improvements to the environmental conditions. The interval between two sets of monitoring shall not be less than 36 hours with a frequency of 3 days a week, at mid-flood and mid-ebb tides. The baseline conditions included the water quality parameters specified in the EM&A Manual, including dissolved oxygen (DO), dissolved oxygen saturation (DO%), temperature, turbidity, salinity, pH and suspended solids (SS) in the water body at all designated monitoring station for the Project. Further details of the water quality impact monitoring under this Project are presented in the following sections.

2.2 Monitoring Locations

2.2.1 Water quality impact monitoring was carried out at 3 locations within Sha Chau and Lung Kwu Chau Marine Park. The marine water quality monitoring stations during the baseline monitoring, construction monitoring and post-construction monitoring are shown in **Figure 2**. The coordinates of the monitoring stations are listed in **Table 2.1**.

 Table 2.1
 Coordinates of the Monitoring Site and Control Sites

| Monitoring/Control Station | Easting | Northing |
|----------------------------|---------|----------|
| C1 | 806116 | 827618 |
| C2 | 806034 | 825308 |
| M2 | 806329 | 826408 |

2.3 Monitoring Parameters

2.3.1 Monitoring parameters listed in **Table 2.2** were measured by the ET to ensure that any deteriorating water quality could be readily detected and timely action be taken to rectify the situation. **Table 2.3** shows the other relevant water quality data also recorded during the monitoring.

Table 2.2 Monitoring Parameters

| In-situ measurement | Laboratory analysis | |
|-------------------------|-------------------------|--|
| Dissolved Oxygen (mg/L) | Supported solids (mg/L) | |
| Turbidity (NTU) | Suspended solids (mg/L) | |

Table 2.3 Other Relevant Water Quality Parameters

| Water quality parameters | | | |
|--------------------------|---|--|--|
| Tidal stages | Ambient temperature and marine water temperature (°C) | | |
| Water depth (m) | Dissolved Oxygen saturation (%) | | |
| Monitoring time (hr:mm) | Salinity (ppt) | | |
| Weather condition | рН | | |

2.4 Monitoring Frequency

2.4.1 The monitoring frequency during baseline monitoring is summarized in **Table 2.4**. The baseline monitoring programme is shown in **Table 2.5**.

Table 2.4 Monitoring Frequency of Water Quality Monitoring

| Frequency | Monitoring depth |
|--------------------------|--|
| 3 days/week, 2 tides/day | 1m below water surface, mid-depth and 1m above sea bed |

Table 2.5 Monitoring Programme in September 2024

| | g | |
|-------------------|---------------------|---------------------|
| Monitoring Date | 1st Tide Monitoring | 2nd Tide Monitoring |
| 23/9/2024 (Mon) | 11:00 Mid-Flood | 17:00 Mid-Ebb |
| 25/9/2024 (Wed) | 08:00 Mid-Ebb | 14:00 Mid-Flood |
| * 27/9/2024 (Fri) | 11:00 Mid-Ebb | 17:00 Mid-Flood |
| 30/9/2024 (Mon) | 13:00 Mid-Ebb | 19:00 Mid-Flood |

^{*}Date of site inspection

2.5 Monitoring Methodology and Equipment Used

Positioning of the monitoring stations

2.5.1 A hand-held digital Global Positioning System (GPS) was used to identify the designated monitoring stations prior to water sampling.

Water depth measurement

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

Water quality multi-meter

- 2.5.3 Portable, weatherproof multi-meter with built-in salinity compensation (YSI ProDSS) was used in the monitoring. It could be capable for measuring:
 - A dissolved oxygen level in the range of 0-20 mg/L and 0-200% saturation;
 - A temperature of 0-45 degree Celsius
 - Turbidity with photoelectric sensor between 0-1000 NTU
 - Salinity in the range 0-40 ppt

Water sampling and sample analysis

- 2.5.4 In-situ monitoring was carried out at three depths: 1 meter below water surface, at mid-depth and 1 meter above the seabed. If the water depth is less than 6m, the mid-depth station was omitted and if the water depth is below 3m, only the mid depth station was monitored.
- 2.5.5 A water sampler comprising a transparent PVC cylinder, with a capacity of not less than 2 liters, was lowered into the water body at the predetermined depth. The opening ends of the sampler were then be closed accordingly, and water samples were collected.
- 2.5.6 The sample container, made by high-density polythene, was rinsed with a portion of the water sample. The water sample was then transferred to the container, labelled with a unique sample ID and sealed with a screw cap. the water samples were then be delivered to a local HOKLAS-accredited laboratory (ALS Technichem (HK) Pty Ltd) within 24 hours for analysis.

2.6 Quality Assurance (QA) / Quality Control (QC) results and Determination Limits

- 2.6.1 The in-situ monitoring multi-meter was checked, calibrated and certified by a laboratory accredited under HOKLAS before use, and subsequently recalibrated at 3 monthly intervals, if necessary. At each measurement/sampling depth, two consecutive measurements of dissolved oxygen (DO), dissolved oxygen saturation (DOS), turbidity and salinity were taken. For the in-situ parameters to be measured, duplicate measurements were performed by dropping the calibrated probes of the multi-meter (i.e. YSI ProDSS) to the designated depths of the water column and taking readings after stabilized. The duplicate measurements were averaged if the difference is not greater than 25%.
- 2.6.2 The summary of laboratory testing method of total suspended solids analysis is shown in **Table 2.6**.

Table 2.6 Summary of Laboratory Testing Method of Total Suspended Solids

| Laboratory analysis | Testing procedure | Method detection limit |
|------------------------|---|------------------------|
| Total suspended solids | American Public Heath Association (APHA) Standard Methods for the Examination of Water and Wastewater, 23rd edition, 2540D or equivalent method | 2mg/L |

2.7 Details of Site Equipment Used for In-situ Measurement

2.7.1 List of in-situ water quality monitoring equipment is shown in **Table 2.7**. All of the monitoring equipment complied with the requirements as set out in the EM&A Manual. All the monitoring instrument / equipment has been checked, calibrated and certified by a laboratory accredited under HOKLAS. The calibration certificates are attached in **Appendix B.**

Table 2.7 Details Monitoring Equipment (In-situ measurement)

| Parameter | Model (serial no., if any) | Date of Calibration / Performance check | Due Date |
|--|--|---|------------|
| Coordinate of Monitoring stations | Garmin eTrex 30 | N/A | N/A |
| Dissolved Oxygen (% and Saturation), Temperature | YSI ProDSS ODO optical dissolved (24F100112) | 12/7/2024 | 11/10/2024 |
| Turbidity | YSI ProDSS Turbidity (24E105092) | 12/7/2024 | 11/10/2024 |
| Salinity | YSI ProDSS Conductivity (24F101051) | 12/7/2024 | 11/10/2024 |
| рН | YSI ProDSS pH sensor (24G100579) | 12/7/2024 | 11/10/2024 |
| Water Depth | HONDEX PS-7 | N/A | N/A |

3. RESULTS AND OBSERVATION

3.1 Results

General

3.1.1 Water quality impact monitoring was conducted three times per week at 3 monitoring stations (C1, C2 & M2) from 23/9/2024 to 30/9/2024. The monitoring results with weather and sea conditions at each monitoring day were attached in **Appendix C**.

Action and Limit Levels

3.1.2 The calculated Action and Limit Levels for the monitoring of the proposed repair works based on the baseline water quality monitoring results are shown in **Table 3.1**.

Table 3.1 Action and Limit Level for Marine Water Quality at Lung Kwu Chau

| Parameters | Action Level | Limit Level |
|---|--|--|
| Dissolved Oxygen (DO), in mg/L | Surface and Middle 5.05 mg/L | Surface and Middle 4 mg/L or 3.68 mg/L |
| (Surface, Middle and Bottom) | Bottom 3.94 mg/L | Bottom 2 mg/L or 3.17 mg/L |
| Suspended Solids (SS), in mg/L (Depth-averaged) | 20.95 mg/L or 120% of upstream control station's SS at the same tide of the same day | 41.82 mg/L or 130% of the upstream control station's SS at the same tide on the same day |
| Turbidity in NTU (Depth-averaged) | 15.29 NTU or 120% of the upstream control station's turbidity at the same tide on the same day | 22.57 NTU or 130% of the upstream control station's turbidity at the same tide on the same day |

Remarks:

- 1. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- 2. For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- 3. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- 4. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.

3.1.3 During the monitoring period in September 2024, low level of DO was recorded on 23rd September 2024 at control station C1 during mid-flood tide. After investigation, no construction activities were conducted on the day of exceedances. The exceedance was probably due to localized natural variations. No Project-related Action or Limit Level exceedance were recorded. The summary of marine water quality exceedances is shown in Table 3.2.

Table 3.2 Daily Exceedance Summary of Marine Water Quality

| | | | 0 1 1 00 | 0.4 | | |
|--------|---|---------|--|----------|----------------------------|----------|
| | | | September 20 | 24 | | |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| 22 | At the mid- flood (a.m.) Low level of DO at C1 | 24 | 25 No exceedances in all WMP* | 26 | No exceedances in all WMP* | 28 |
| 29 | No exceedances in all WMP* | | | | | |

Remarks:

Table 3.3 Summary of the water monitoring results from all monitoring stations

| Monitoring | parameters | Mor | nitoring Statio | ons | | n and Level |
|--------------------|---|-------|-----------------|-------|-------|----------------|
| g | parametere | C1 | M2 | C2 | AL | LL |
| | Surface & Middle Depth Average | 6.52 | 6.78 | 6.93 | | |
| | Surface & Middle Depth Max | 10.92 | 10.41 | 9.81 | 5.05 | 4 or 3.68 |
| DO (mg/L) | Surface & Middle Depth Min | 4.73 | 5.15 | 5.29 | | |
| | Bottom Depth Average | 5.55 | 5.94 | 6.51 | | 2 or |
| | Bottom Depth Max | 7.45 | 8.81 | 8.95 | 3.94 | 3.17 |
| | Bottom Depth Min | 4.57 | 4.77 | 5.09 | | |
| | Average | 6.09 | 5.46 | 6.33 | | |
| Turbidity (NTU) | Max | 28.18 | 12.18 | 17.71 | 15.29 | 22.57 |
| (11.5) | Min | 2.02 | 2.37 | 1.98 | | |
| Suspended | Average | 4.88 | 6.78 | 8.16 | | |
| Solids | Max | 9 | 20 | 22 | 20.95 | 41.82 |
| (mg/L) | Min | 2 | 3 | 2 | | |

Remarks:

- AL = Action Level
- LL = Limit Level

^{*} WMP = Water monitoring parameters

3.1.4 In case of any exceedance of the Action or Limit Levels, appropriate actions set out in the Event and Action Plan (Refer to the EM&A Manual Table 2.3, Event and Action Plan for Water Quality) shall be taken upon ETL's notification.

3.2 Environmental Site Inspection

- 3.2.1 Regular environmental site inspections were carried out with the Contractor to confirm the implementation of appropriate environmental protection and pollution control mitigation measures under the Project.
- In the reporting period, one environmental site inspection was carried out on 23rd September 2024. The checklist of the site inspection is shown in **Appendix D**. As only site preparation works and deployment of silt curtain were conducted in the reporting month, most of the checking items were not applicable.
- 3.2.3 Waste management audits were also performed during the regular environmental site inspections carried out in the reporting period. No non-compliance for Contractor's waste management practices was identified during the audits. No inert or non-inert C&D materials, and no general refuse were generated by the Contractor during the reporting month.

3.3 Summary of Environmental Complaints, Notification of Summons and Successful Prosecutions

3.3.1 There were no environmental complaints, notification of summons and successful prosecutions recorded in the reporting period.

4. FORECAST FOR THE NEXT REPORTING PERIOD

4.1 Works Programme for the Next Reporting Period

- 4.1.1 Construction activities to be undertaken in the next reporting period of October 2024 are summarized below:
 - Demolish of the existing pavement and its underneath filling material
 - Re-fixing the dislocated top layer of the concrete blocks
 - Erection of formwork and pouring in-situ concrete for the pavement
 - Installation of anchor posts
- 4.1.2 Potential environmental impacts due to the construction activities will be monitored. The ET will keep track on the construction activities to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

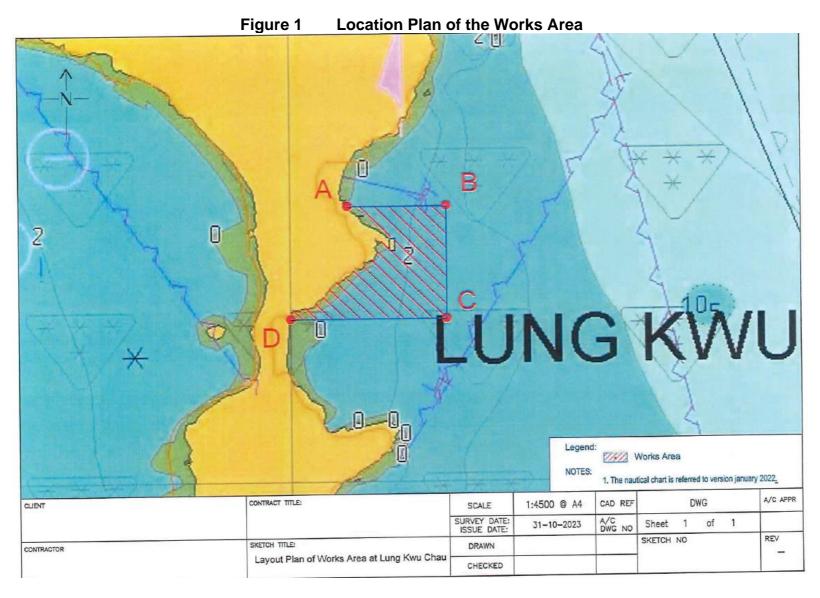
4.2 Monitoring Schedule for the Next Reporting Period

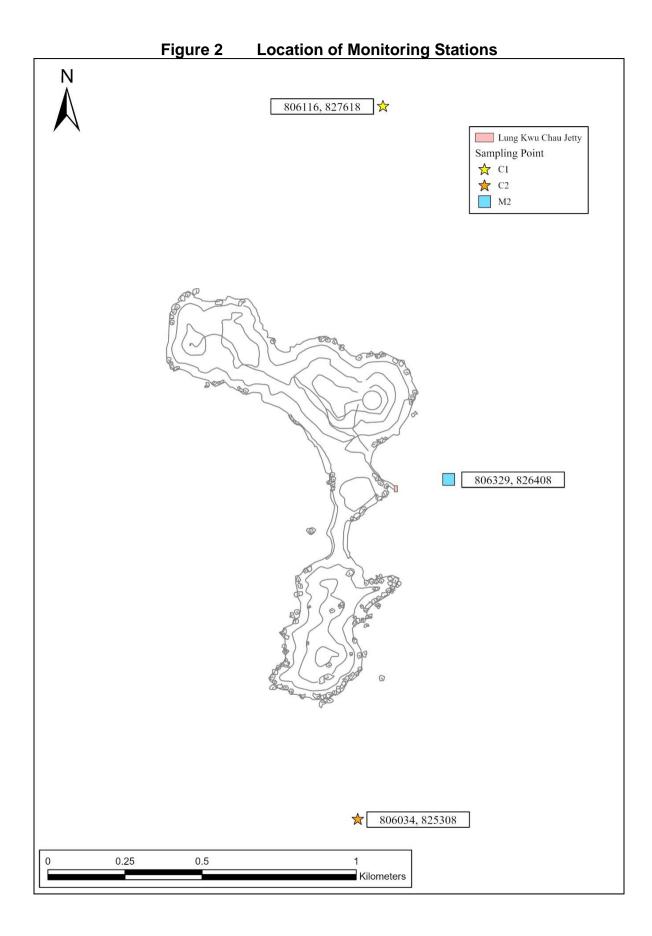
4.2.1 The tentative schedule for marine water quality monitoring for the next reporting period is provided in **Appendix E**.

5. CONCLUSION

- 5.1.1 This Monthly EM&A Report presents the key findings of the EM&A works during the reporting period from 23rd to 30th September 2024 for the construction works for the Project in accordance with the EM&A Manual and the requirements of the EP.
- 5.1.2 Environmental auditing works, including regular site inspections of construction works were conducted by the ET during the reporting period. No non-compliance of environmental statutory requirements was identified.
- 5.1.3 During the reporting month, no Project-related exceedances of water quality parameters were recorded. There were also no environmental complaints, notification of summons and successful prosecutions recorded in the reporting month.
- 5.1.4 The ET will keep track on the construction works to confirm compliance if environmental requirements and the proper implementation of all necessary mitigation measures.

FIGURE





| Contract No. PW 1/2024 | | | |
|--------------------------|--------------------|---------------|------------|
| Environmental Monitoring | Works for Lung Kwu | Chau Jetty Re | pair Works |

1st Monthly Monitoring Report

APPENDICES

Appendix A Construction Works Programme

CEDD Maintenance Contract for Piers (2022-2027) Task Order No. MW/091/2201 Repair and Enhancement Works in Lung Kwu Chau Jetty TASK ODDED PROCEAMME

TASK ORDER PROGRAMME 識別碼 Task Name 工期 開始時間 完成時間 一月 | 二月 | 三月 | 四月 | 五月 | 六月 | 七月 | 八月 | 九月 | 十月 | 十一月 | 十二月 | 一月 | 二月 | 三月 | 四月 | 五月 | 六月 1/12/2023 11/12/2025 1/12 Task Order Programme - Repair and enhancement works in Lung Kwu 613 days 1/12/2023 1/12/2023 Start Date 0 days 1/12 1/12 23/5/2025 23/5/2025 23/5 • 23/5 Completion Date 0 days 1. Application for Working Permits and Documentation Approval 90 days 1/12/2023 21/3/2024 1/12 21/3/2024 2SS 1.1 Application for MDN 90 days 1/12/2023 1.2 Preparation and submission of materilas method statement, 1/12/2023 5/1/2024 2SS 28 days programme and risk assessment 1.3 Principle Approval from CEDD 14 days 6/1/2024 22/1/2024 6 2. Mobilization and preparation of materials 21/9/2024 25/9/2024 4 days 21/9 25/9 21/9/2024 2.1 Mobilization and preparation of construction materials 4 days 25/9/2024 7,5,31 21/9 25/9 10 3. Construction Works 170 days 26/9/2024 21/4/2025 26/9 3.1 Site set-up and placement of sinkers for vessel berthing 26/9/2024 27/9/2024 9,5 11 2 days 26/9 27/9 12 28/9 30/9 3.2 Erection of silt curtain 2 days 28/9/2024 30/9/2024 11 13 3.3 Phase 1 - Removal of concrete slab 45 days 2/10/2024 23/11/2024 12 23/11 3.4 Phase 1 - Take down and refix the displaced concrete blocks by 25/11/2024 11/12/2024 13 15 days 25/11 11/12 the derrick lighter 3.5 Phase 1 - Erect formwork for Portion 1 and 2 14 days 12/12/2024 30/12/2024 14 12/12 30/12 16 3.6 Phase 1 - Concreting works for Portion 1 and 2 31/12/2024 2/1/2025 15 2 days 3.7 Phase 1 - Erect formwork for Portion 3 & 4 14 days 31/12/2024 16/1/2025 15 31/12 16/1 18 3.8 Phase 1 - Concreting works for Portion 3 & 4 2 days 17/1/2025 18/1/2025 17 19 3.9 Phase 1 - Coring and installation of anchor posts 40 days 12/10/2024 27/11/2024 12SS+10 days 20 3.10 Phase 2 - Removal of concrete slab 35 days 17/1/2025 1/3/2025 19,17 17/1 3/3 11/3 21 3.11 Phase 2 - Take down and refix the displaced concrete blocks by 8 days 3/3/2025 11/3/2025 20 the derrick lighter 22 3.12 Phase 2 - Erect formwork for Portion 5 and 6 8 days 12/3/2025 20/3/2025 21 12/3 20/3 23 3.13 Phase 2 - Concreting works for Portion 5 and 6 21/3/2025 22/3/2025 22 2 days 24 3.14 Phase 2 - Erect formwork for Portion 7 & 8 9 days 21/3/2025 31/3/2025 22 21/3 31/3 25 3.15 Phase 2 - Concreting works for Portion 7 & 8 1/4/2025 2/4/2025 24 2 days 1/4 12/4 3/4/2025 11/4/2025 25 3/4 11/4 26 3.14 Phase 2 - Erect formwork for Portion 9 & 10 8 days 27 3.15 Phase 2 - Concreting works for Portion 9 & 10 12/4/2025 14/4/2025 26 12/4 14/4 2 days 28 3.16 Phase 2 - Coring and installation of anchor posts 35 days 28/11/2024 10/1/2025 19 29 3.17 Demobilization and site clearance 15/4/2025 21/4/2025 28.27 15/4 21/4 6 days 30 4. Water Quality Monitoring 433 days 15/7/2024 11/12/2025 15/7 31 4.1 Baseline W.Q.M and obtaining approval from EPD by ET 58 days 15/7/2024 20/9/2024 5FS+90 days 32 4.2 Impact W.Q.M by ET 173 days 22/4/2025 8/11/2025 31FS+1 day,29 22/4 4.3 Post Project W.Q.M by ET 28 days 10/11/2025 11/12/2025 32 Build King - CRCC Harbour JV 進度 上顯型要徑任務 上顯型進度 外部任務 摘要群組 任務 Rev. 5 on 5 Oct 2024 要徑任務 里程碑 上顯型任務 上顯型里程碑 🔷 分割 期限 ① 專案摘要

Page 1

| Contract No. PW 1/2024 | | | |
|--------------------------|--------------------|---------------|------------|
| Environmental Monitoring | Works for Lung Kwu | Chau Jetty Re | pair Works |

1st Monthly Monitoring Report

Appendix B Calibration Certificates for Water Quality Monitoring Equipment



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD070014

Date of Issue

: 12 July 2024

Page No.

: 1 of 2

PART A - CUSTOMER INFORMATION

Ecosystems Limited

Unit B13, 12/F., Block B2, Yau Tong Industrial City, 17 Ko Fai Road, Yau Tong, Kowloon, HK

PART B - SAMPLE INFORMATION

Name of Equipment:

YSI ProDSS Multi Parameters

Manufacturer:

YSI

Serial Number:

24C101291

Date of Received:

09 July 2024

Date of Calibration:

12 July 2024

Date of Next Calibration: Request No.:

11 October 2024 D-BD070014

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter

Reference Method

pH value

APHA 21e 4500-H+ B

Temperature

Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March

2008: Working Thermometer Calibration Procedure

Salinity

APHA 21e 2520 B

Dissolved oxygen

APHA 23e 4500-O G (Membrane Electrode Method)

Turbidity

APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

| Target (pH unit) | Display Reading (pH unit) | Tolerance | Result |
|------------------|---------------------------|-----------|--------------|
| 4.00 | 4.14 | 0.14 | Satisfactory |
| 7.42 | 7.37 | -0.05 | Satisfactory |
| 10.01 | 9.97 | -0.04 | Satisfactory |

Tolerance of pH value should be less than $\pm\,0.2$ (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Display Reading (°C) | Tolerance | Result |
|------------------------------------|----------------------|-----------|--------------|
| 17.0 | 16.9 | -0.1 | Satisfactory |
| 27.0 | 26.1 | -0.9 | Satisfactory |
| 34.0 | 32.9 | -1.1 | Satisfactory |

Tolerance of Temperature should be less than $\pm\,2.0$ (°C)

(3) Salinity

| Expected Reading (g/L) | Display Reading (g/L) | Tolerance (%) | Result |
|------------------------|-----------------------|---------------|--------------|
| 10 | 9.95 | -0.50 | Satisfactory |
| 20 | 20.44 | 2.20 | Satisfactory |
| 30 | 31.13 | 3.77 | Satisfactory |

Tolerance of Salinity should be less than $\pm~10.0$ (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

DEE Chun ning Assistant Manager



專業化驗有限公司 OUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD070014

Date of Issue

: 12 July 2024

Page No.

: 2 of 2

(4) Dissolved oxygen

| Expected Reading (mg/L) | Display Reading (mg/L) | Tolerance | Result |
|---------------------------|--------------------------|-----------|--------------|
| 8.50 | 8.09 | -0.41 | Satisfactory |
| 7.18 | 6.85 | -0.33 | Satisfactory |
| 4.39 | 4.44 | 0.05 | Satisfactory |
| 0.56 | 0.60 | 0.04 | Satisfactory |

Tolerance of Dissolved oxygen should be less than $\pm~0.5$ (mg/L)

(5) Turbidity

| Expected Reading (NTU) | Display Reading (NTU) | Tolerance (%) | Result |
|------------------------|-----------------------|---------------|--------------|
| 0 | 0.17 | | |
| 10 | 9.88 | -1.2 | Satisfactory |
| 20 | 19.64 | -1.8 | Satisfactory |
| 100 | 98.57 | -1.4 | Satisfactory |
| 800 | 745.42 | -6.8 | Satisfactory |

Tolerance of Turbidity should be less than ± 10.0 (%)

Remark(s)

- 'The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
- ·The results relate only to the calibrated equipment as received
- 'The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
- "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- 'The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---

Appendix C Water Quality Monitoring Results

| Date | Tide | Station | Weather (Sunny/ Cloudy/ Rainy) | Sea (Calm/ Moderate/ Rough) | Samplin | ng Time | Ambient Temp | Total Water Depth | Level | Sampling Depth (m) | | рН | Temp | Vater perature °C) | Salini | ity (ppt) | Tur | bidity (NTU | J) | | DO mg/L | | DO Satu | uration (%) | Suspen | nded Solids | (mg/L) |
|------------------|-------------|---------|---|--------------------------------------|----------------|----------------|-----------------|-------------------------|---------|-----------------------|-------|---------|--------------|--------------------------|--------|-----------|--------------|-------------|---------|-------|---------|-----------|--------------|-------------|--------|-------------|--------|
| (dd-mm- yyyy) | | | Condition | Condition | Start | Finish | Temp | (m) | | • ` ` ` | Value | Average | Value | Average | Value | Average | Value | Average | DA * | Value | Average | DA* | Value | Average | Value | Average | DA* |
| | | | Rainy | Rough | 17:30 | 17:30 | | | | | 7.86 | | 29.1 | | 24.35 | | 4.71 | | | 5.15 | | 5.20 | 76.7 | | 5 | | |
| | Mid- | 140 | Rainy | Rough | 17:30 | 17:30 | 25.2 | 5.4 | surface | 1 | 7.85 | 7.855 | 29.1 | 29.1 | 24.35 | 24.35 | 3.75 | 4.23 | 0.2 | 5.26 | 5.205 | 5 | 78.4 | 77.55 | 4 | 4.5 | 7.25 |
| | Ebb | M2 | Rainy | Rough | 17:30 | 17:30 | 25.2 | 5.4 | h | 4.4 | 7.88 | 7.00 | 29.1 | 20.1 | 26.37 | 26.505 | 12.18 | 10 175 | 8.2 | 5.01 | 4.005 | 4.99 | 75.7 | 75.4 | 10 | 10 | 7.25 |
| | | | Rainy | Rough | 17:30 | 17:30 | | | bottom | 4.4 | 7.88 | 7.88 | 29.1 | 29.1 | 26.82 | 26.595 | 12.17 | 12.175 | | 4.98 | 4.995 | 5 | 75.1 | 75.4 | 10 | 10 | |
| | | | Rainy | Rough | 17:45 | 17:45 | | | surface | 1 | 7.86 | 7.86 | 28.9 | 28.9 | 25.23 | 25.21 | 4.8 | 4.86 | | 5.54 | 5.535 | | 82.6 | 82.5 | 7 | 7 | |
| | | | Rainy | Rough | 17:45 | 17:45 | | | surface | 1 | 7.86 | 7.00 | 28.9 | 20.7 | 25.19 | 23.21 | 4.92 | 4.00 | | 5.53 | 3.333 | 5.51 | 82.4 | 02.3 | 7 | , | |
| | Mid- | C1 | Rainy | Rough | 17:44 | 17:44 | 25.2 | 9 | middle | 4.5 | 7.88 | 7.88 | 28.9 | 28.9 | 25.62 | 25.605 | 4.47 | 4.475 | 4.8 | 5.47 | 5.485 | 0.01 | 81.8 | 82.05 | 9 | 8 | 7 |
| | Ebb | | Rainy | Rough | 17:44 | 17:44 | | | | | 7.88 | | 28.9 | | 25.59 | | 4.48 | | - | 5.5 | | | 82.3 | | 7 | | _ |
| | | | Rainy | Rough | 17:43 | 17:43 | | | bottom | 8 | 7.9 | 7.895 | 29 | 29 | 26.56 | 26.465 | 5.19 | 5.21 | | 5.41 | 5.395 | 5.39 5 | 81.4 | 81.15 | 6 | 6 | |
| | | | Rainy | Rough | 17:44 | 17:44 | | | | | 7.89 | | 29 | | 26.37 | | 5.23 | | | 5.38 | | 3 | 80.9 | | 6 | | |
| | | | Rainy | Rough | 17:11 | 17:12 | | | surface | 1 | 7.93 | 7.935 | 28.8 | 28.75 | 27.23 | 27.23 | 3.34 | 3.125 | | 5.7 | 5.72 | 5.72 | 85.8 | 86.1 | 5 | 4.5 | |
| | Mid- Ebb | C2 | Rainy Rainy | Rough Rough | 17:12 17:11 | 17:12 17:11 | 25.2 | 5.4 | | | 7.94 | | 28.7 28.9 | | 27.23 | | 2.91 9.22 | | 6.2 | 5.74 | | - | 86.4 80.4 | | 6 | | 5.5 |
| | | | Rainy | Rough | 17:11 | 17:11 | | | bottom | 4.4 | 7.92 | 7.925 | 28.9 | 28.9 | 28 | 28 | 9.36 | 9.29 | | 5.26 | 5.28 | 5.28 | 79.7 | 80.05 | 7 | 6.5 | |
| 23/9/2024 | | | Rainy | Rough | 11:36 | 11:36 | | | | | 7.81 | | 29.1 | | 22.71 | | 3.26 | | | 5.3 | | | 78.2 | | 6 | | |
| | Mid- | | Rainy | Rough | 11:36 | 11:37 | | | surface | 1 | 7.81 | 7.81 | 29.1 | 29.1 | 22.73 | 22.72 | 3.4 | 3.33 | | 5.32 | 5.31 | 5.31 | 78.5 | 78.35 | 5 | 5.5 | |
| | Flood | M2 | Rainy | Rough | 11:35 | 11:35 | 27.2 | 5.6 | | | 7.83 | | 29.3 | | 26.73 | | 6.85 | | 5.1 | 4.91 | | | 74.4 | | 8 | | 7 |
| | | | Rainy | Rough | 11:35 | 11:36 | | | bottom | 4.6 | 7.84 | 7.835 | 29.3 | 29.3 | 26.73 | 26.73 | 6.73 | 6.79 | | 4.77 | 4.84 | 4.84 | 72.2 | 73.3 | 9 | 8.5 | |
| | | | Rainy | Rough | 11:53 | 11:53 | | | 6 | 1 | 7.83 | 7.825 | 29.2 | 29.15 | 23.12 | 23.125 | 3.55 | 3.29 | | 4.99 | 5.03 | | 73.8 | 74.45 | 4 | 4.5 | |
| | | | Rainy | Rough | 11:53 | 11:53 | | | surface | 1 | 7.82 | 1.825 | 29.1 | 29.15 | 23.13 | 23.125 | 3.03 | 3.29 | | 5.07 | 5.03 | 4.89 | 75.1 | 74.45 | 5 | 4.5 | |
| | Mid- | C1 | Rainy | Rough | 11:53 | 11:53 | 27.2 | 8.4 | middle | 4.2 | 7.85 | 7.845 | 29.2 | 29.2 | 25.28 | 25.295 | 4.35 | 4.185 | 12 | 4.73 | 4.76 | 5 | 71 | 71.45 | 5 | 5 | 6 |
| | Flood | CI | Rainy | Rough | 11:53 | 11:53 | 21.2 | 0.4 | middle | 4.2 | 7.84 | 7.043 | 29.2 | 29.2 | 25.31 | 23.293 | 4.02 | 4.103 | 12 | 4.79 | 4.70 | | 71.9 | 71.43 | 5 | 3 | |
| | | | Rainy | Rough | 11:52 | 11:52 | | | bottom | 7.4 | 7.86 | 7.86 | 29.2 | 29.2 | 27.57 | 27.585 | 26.75 | 27.465 | | 4.64 | 4.605 | 4.60 | 70.6 | 70.05 | 8 | 8.5 | |
| | | | Rainy | Rough | 11:52 | 11:52 | | | Jonom | , | 7.86 | 7.00 | 29.2 | 22.2 | 27.6 | 2.1.003 | 28.18 | 253 | | 4.57 | | 5 | 69.5 | , 0.00 | 9 | 0.0 | |
| | | | Rainy | Rough | 12:12 | 12:12 | | | surface | 1 | 7.82 | 7.82 | 29.1 | 29.1 | 23.71 | 23.72 | 2.94 | 2.915 | | 5.29 | 5.29 | 5.29 | 78.5 | 78.55 | 5 | 5 | |
| | Mid- | C2 | Rainy | Rough | 12:12 | 12:13 | 27.2 | 5.2 | | | 7.82 | | 29.1 | | 23.73 | | 2.89 | | 7.9 | 5.29 | | | 78.6 | | 5 | | 13 |
| | Flood | | Rainy | Rough | 12:10 | 12:10 | | | bottom | 4.2 | 7.83 | 7.83 | 29 | 29 | 25.43 | 25.385 | 14.53 | 12.835 | | 5.15 | 5.12 | 5.12 | 77 | 76.55 | 22 | 21 | |
| | | | Rainy | Rough | 12:11 | 12:11 | | | | | 7.83 | | 29 | | 25.34 | | 11.14 | | | 5.09 | | | 76.1 | | 20 | | |

| Date | Tide | Station | Weather (Sunny/ Cloudy/ Rainy) | Sea (Calm/ Moderate/ Rough) | Samplii | ng Time | Ambient Temp | Total Ambient Water Temp Depth | | Sampling Depth (m) | | рН | Temp | vater perature °C) | Salini | ity (ppt) | Tur | bidity (NTU | J) | | DO mg/L | | DO Satu | ration (%) | Suspen | nded Solids (| (mg/L) |
|------------------|---------------|---------|---|--------------------------------------|---------|----------------|-----------------|--------------------------------------|---------|-----------------------|-------|---------|-------|--------------------------|--------|-----------|--------------|-------------|---------|-------|---------|-----------|--------------|------------|--------|--|--------|
| (dd-mm- yyyy) | | | Condition | Condition | Start | Finish | Temp | (m) | | zepin (m) | Value | Average | Value | Average | Value | Average | Value | Average | DA * | Value | Average | DA* | Value | Average | Value | Average | DA* |
| | | | Cloudy | Moderate | 8:21 | 8:22 | | | c | 1 | 7.82 | 7.02 | 28.9 | 20.0 | 19.26 | 10.25 | 6.27 | 6.20 | | 5.51 | 5.51 | 5.51 | 79.6 | 70.55 | 8 | | |
| | Mid- | 240 | Cloudy | Moderate | 8:21 | 8:22 | 27 | 4.0 | surface | 1 | 7.82 | 7.82 | 28.9 | 28.9 | 19.24 | 19.25 | 6.29 | 6.28 | 7.7 | 5.51 | 5.51 | 5.51 | 79.5 | 79.55 | 8 | 8 | 12.0 |
| | Ebb | M2 | Cloudy | Moderate | 8:22 | 8:23 | 27 | 4.9 | 1 | 2.0 | 7.82 | 7.82 | 28.9 | 28.9 | 24.99 | 24.98 | 9.07 | 9.025 | 7.7 | 5.03 | 5.02 | 5.02 | 75.1 | 75.05 | 20 | 19.5 | 13.8 |
| | | | Cloudy | Moderate | 8:22 | 8:23 | | | bottom | 3.9 | 7.82 | 7.82 | 28.9 | 28.9 | 24.97 | 24.98 | 8.98 | 9.025 | | 5.03 | 5.03 | 5.03 | 75 | 75.05 | 19 | 19.5 | |
| | | | Cloudy | Moderate | 8:49 | 8:50 | | | surface | 1 | 7.79 | 7.79 | 29 | 29 | 17.17 | 17.19 | 3.26 | 3.265 | | 5.42 | 5.42 | | 77.6 | 77.6 | 4 | 4 | |
| | | | Cloudy | Moderate | 8:49 | 8:50 | | | surrace | 1 | 7.79 | 1.19 | 29 | 29 | 17.21 | 17.19 | 3.27 | 3.203 | | 5.42 | 3.42 | 5.30 | 77.6 | 77.0 | 4 | | |
| | Mid- | C1 | Cloudy | Moderate | 8:50 | 8:51 | 27 | 7.9 | middle | 3.95 | 7.79 | 7.79 | 29 | 29 | 20.29 | 20.29 | 3.24 | 3.225 | 3.4 | 5.19 | 5.185 | 3 | 75.6 | 75.55 | 6 | 5.5 | 5 |
| | Ebb | | Cloudy | Moderate | 8:50 | 8:51 | 2, | 7.5 | inidate | 3.73 | 7.79 | 1.15 | 29 | 27 | 20.29 | 20.2) | 3.21 | 3.223 | 3.4 | 5.18 | 3.103 | | 75.5 | 73.33 | 5 | J.5 | |
| | | | Cloudy | Moderate | 8:51 | 8:52 | | | bottom | 6.9 | 7.81 | 7.81 | 29 | 29 | 22.02 | 22.045 | 3.79 | 3.8 | | 5.03 | 5.025 | 5.02 | 73.9 | 73.85 | 6 | 5.5 | |
| | | | Cloudy | Moderate | 8:51 | 8:52 | | | | | 7.81 | , , , , | 29 | | 22.07 | | 3.81 | | | 5.02 | | 5 | 73.8 | | 5 | <u> </u> | |
| | | | Rainy | Moderate | 8:05 | 8:06 | | | surface | 1 | 7.81 | 7.81 | 28.8 | 28.8 | 22.79 | 22.785 | 6.72 | 6.725 | | 5.41 | 5.41 | 5.41 | 79.6 | 79.55 | 12 | 11.5 | |
| | Mid- | C2 | Rainy | Moderate | 8:05 | 8:06 | 27 | 4.7 | | + | 7.81 | | 28.8 | | 22.78 | | 6.73 | | 7.7 | 5.41 | | | 79.5 | | 11 | | 10.8 |
| | Ebb | | Rainy | Moderate | 8:06 | 8:07 | | | bottom | 3.7 | 7.82 | 7.82 | 28.9 | 28.9 | 25.57 | 25.565 | 8.86 | 8.755 | | 5.11 | 5.105 | 5.10 | 76.4 | 76.35 | 10 | 10 | |
| 25/9/2024 | | | Rainy | Moderate | 8:06 | 8:07 | | | | | 7.82 | | 28.9 | | 25.56 | | 8.65 | | | 5.1 | | 5 | 76.3 | | 10 | | |
| | | | Sunny | Moderate | 14:28 | 14:29 | | | surface | 1 | 7.86 | 7.86 | 29.9 | 29.85 | 20.57 | 20.575 | 4.8 | 4.805 | | 5.65 | 5.64 | 5.64 | 83.4 | 83.35 | 5 | 4.5 | |
| | Mid- Flood | M2 | Sunny | Moderate | 14:28 | 14:29 | 31 | 5.1 | | | 7.86 | | 29.8 | | 20.58 | | 4.81 | | 3.6 | 5.63 | | | 83.3 | | 4 | | 4 |
| | 11000 | | Sunny | Moderate | 14:29 | 14:30 | | | bottom | 4.1 | 7.82 | 7.82 | 29.1 | 29.1 | 23.83 | 23.82 | 2.37 | 2.38 | | 5.08 | 5.08 | 5.08 | 75.5 | 75.45 | 4 | 3.5 | |
| | | | Sunny | Moderate | 14:29 | 14:30 | | | | | 7.82 | | 29.1 | | 23.81 | | 2.39 | | | 5.08 | | | 75.4 | | 3 | | + |
| | | | Sunny | Moderate | 14:47 | 14:48 | | | surface | 1 | 7.83 | 7.83 | 29.3 | 29.3 | 20.98 | 20.975 | 2.61 | 2.615 | | 5.38 | 5.375 | | 78.9 | 78.85 | 3 | 3.5 | |
| | | | Sunny | Moderate Moderate | 14:47 | 14:48 14:49 | | | | | 7.83 | | 29.3 | | 24.73 | | 2.62 2.35 | | | 5.02 | | 5.19 | 78.8 74.8 | | 4 | <u> </u> | - |
| | Mid- Flood | C1 | Sunny | Moderate | 14:48 | 14:49 | 31 | 8.8 | middle | 4.4 | 7.82 | 7.82 | 29 | 29 | 24.73 | 24.715 | 2.33 | 2.34 | 3.4 | 5.02 | 5.02 | | 74.9 | 74.85 | 3 | 3.5 | 3.17 |
| | | | Sunny | Moderate | 14:49 | 14:50 | - | | | | 7.87 | | 29 | | 27.6 | | 5.32 | | | 4.7 | | | 71.1 | | 2 | | - |
| | | | Sunny | Moderate | 14:49 | 14:50 | - | | bottom | 7.8 | 7.87 | 7.87 | 29 | 29 | 27.59 | 27.595 | 5.21 | 5.265 | | 4.7 | 4.7 | 4.7 | 71.1 | 71.1 | 3 | 2.5 | |
| | | | Sunny | Moderate | 14:03 | 14:04 | | | | | 7.83 | | 30 | | 19.59 | | 2.12 | | | 5.53 | | 5.50 | 81.4 | | 3 | | + |
| | Mid | | Sunny | Moderate | 14:03 | 14:04 | | | surface | 1 | 7.83 | 7.83 | 30 | 30 | 19.6 | 19.595 | 2.11 | 2.115 | | 5.52 | 5.525 | 5.52 5 | 81.4 | 81.4 | 4 | 3.5 | |
| | Mid- Flood | C2 | Sunny | Moderate | 14:05 | 14:06 | 31 | 5.1 | | | 7.81 | | 29.3 | | 23.08 | | 2.28 | | 2.2 | 5.17 | | 5.16 | 76.8 | | 3 | | 3.25 |
| | | | Sunny | Moderate | 14:05 | 14:06 | | | bottom | 4.1 | 7.81 | 7.81 | 29.3 | 29.3 | 23.05 | 23.065 | 2.3 | 2.29 | | 5.16 | 5.165 | 5 | 76.6 | 76.7 | 3 | 3 | |

| Date | ate Tide Station | | Weather (Sunny/ Cloudy/ Rainy) | Sea (Calm/ Moderate/ Rough) | Samplii | ng Time | Ambient Temp | Total Water Depth | Level | Sampling Depth (m) | | рН | Temp | 'ater perature °C) | Salin | ity (ppt) | Tur | bidity (NTU | J) | | DO mg/L | | | aturation (%) | Suspe | nded Solids | (mg/L) |
|------------------|------------------|----|---|--------------------------------------|----------------|---------|-----------------|-------------------------|----------|-----------------------|--------------|----------|-------|--------------------------|-------|-----------|-------|-------------|---------|-------|---------|-----------|--------------|------------------|-------|-------------|--------|
| (dd-mm- yyyy) | | | Condition | Condition | Start | Finish | • | (m) | | ••• | Value | Average | Value | Average | Value | Average | Value | Average | DA * | Value | Average | DA* | Value | Average | Value | Average | DA* |
| | | | Sunny | Moderate | 11:13 | 11:13 | | | _ | | 7.82 | | 30 | | 16.91 | | 4.37 | | | 6.13 | | | 88.9 | | 4 | | |
| | Mid- | | Sunny | Moderate | 11:14 | 11:14 | | 4.0 | surface | 1 | 7.82 | 7.82 | 29.9 | 29.95 | 17.53 | 17.22 | 4.74 | 4.555 | | 6.05 | 6.09 | 6.09 | 88.1 | 88.5 | 5 | 4.5 | |
| | Ebb | M2 | Sunny | Moderate | 11:14 | 11:15 | 27 | 4.8 | 1 | 2.0 | 7.84 | 7.045 | 29.5 | 20.45 | 23.23 | 22.255 | 7.46 | 7.505 | 6 | 5.45 | 5 445 | 5.44 | 81.2 | 01.1 | 10 | 10 | 7.25 |
| | | - | Sunny | Moderate | 11:15 | 11:15 | | | bottom | 3.8 | 7.85 | 7.845 | 29.4 | 29.45 | 23.28 | 23.255 | 7.55 | 7.505 | | 5.44 | 5.445 | 5 | 81 | 81.1 | 10 | 10 | |
| | | | Sunny | Moderate | 11:35 | 11:35 | | | surface | 1 | 7.9 | 7.9 | 30.4 | 30.35 | 12.24 | 12.295 | 3.24 | 3.255 | | 6.8 | 6.82 | | 96.8 | 97 | 3 | 2.5 | |
| | | | Sunny | Moderate | 11:35 | 11:36 | | | surrace | 1 | 7.9 | 7.9 | 30.3 | 30.33 | 12.35 | 12.293 | 3.27 | 3.233 | | 6.84 | 0.82 | 6.43 | 97.2 | 97 | 2 | 2.3 | |
| | Mid- | C1 | Sunny | Moderate | 11:36 | 11:36 | 27 | 7.8 | middle | 3.9 | 7.87 | 7.865 | 29.7 | 29.7 | 20.55 | 20.55 | 2.12 | 2.07 | 2.7 | 6.06 | 6.04 | 0.43 | 89.3 | 89 | 4 | 3.5 | 3.67 |
| | Ebb | CI | Sunny | Moderate | 11:37 | 11:37 | - | 7.0 | illiddie | 7.8 | 7.86 | 7.803 | 29.7 | 29.1 | 20.55 | 20.33 | 2.02 | 2.07 | 2.7 | 6.02 | 0.04 | | 88.7 | 09 | 3 | 3.3 | 3.07 |
| | | - | Sunny | Moderate | 11:37 | 11:38 | | | bottom | 6.8 | 7.87 | 7.87 | 29.6 | 29.6 | 21.46 | 21.58 | 2.71 | 2.83 | | 5.82 | 5.83 | 5.83 | 86.1 | 86.25 | 5 | 5 | |
| | | | Sunny | Moderate | 11:38 | 11:38 | | | bottom | | 7.87 | | 29.6 | 27.0 | 21.7 | 21.50 | 2.95 | 2.03 | | 5.84 | 3.03 | 3.03 | 86.4 | 00.23 | 5 | | |
| | | - | Sunny | Moderate | 12:08 | 12:08 | | | surface | 1 | 7.9 | 7.9 29.7 | 29.7 | 29.7 | 21.32 | 21.465 | 2.1 | 2.075 | | 6.24 | 6.215 | 6.21 | 92.4 | 92.05 | 3 | 3 | |
| | Mid- | C2 | Sunny | Moderate | 12:08 | 12:09 | 27 | 4.7 | | _ | 7.9 | | 29.7 | | 21.61 | | 2.05 | | 2 | 6.19 | | 5 | 91.7 | | 3 | | 4.25 |
| | Ebb | - | Sunny | Moderate | 12:09 | 12:09 | | | bottom | 3.7 | 7.88 | 7.88 | 29.5 | 29.5 | 24.16 | 24.22 | 2.03 | 2.005 | | 5.75 | 5.715 | 5.71 | 86.2 | 85.7 | 5 | 5.5 | |
| 27/9/2024 | | | Sunny | Moderate | 12:10 | 12:10 | | | | | 7.88 | | 29.5 | | 24.28 | | | | | 5.68 | | 5 | 85.2 | | 6 | | |
| | | - | Sunny | Moderate | 17:30 | 17:30 | | | surface | 1 | 8.02 | 8.02 | 30.3 | 30.3 | 19.72 | 19.79 | 2.6 | 2.63 | | 7.37 | 7.355 | 7.35 5 | 109.1 | 108.95 | 5 | 5 | |
| | Mid- | M2 | Sunny | Moderate | 17:30 | 17:31 | 26 | 5.3 | | | 8.02 | 7.91 | 30.3 | | 19.86 | | 2.66 | 3.1 | 3.1 | 7.34 | | 3 | 108.8 | | 5 | | 4.75 |
| | Flood | - | Sunny | Moderate | 17:31 | 17:31 | | | bottom | 4.3 | 7.91 | | 29.6 | 29.6 | 23.74 | 23.735 | 3.54 | 3.635 | | 5.93 | 5.905 | 5.90 5 | 88.7 | 88.3 | 4 | 4.5 | |
| | | | Sunny | Moderate | 17:32 | 17:32 | | | | " | 7.91 | | 29.6 | | 23.73 | | 3.73 | | | 5.88 | | 5 | 87.9 | | 5 | | |
| | | - | Sunny | Moderate | 17:03 | 17:04 | _ | | surface | 1 | 8.04 | 8.04 | 30.5 | 30.5 | 17.02 | 16.96 | 2.7 | 2.7 | | 8.17 | 8.165 | | 119.5 | 119.4 | 3 | 3 | |
| | | - | Sunny | Moderate | 17:03 | 17:04 | | | | | 8.04 | | 30.5 | | 16.9 | | 2.7 | | | 8.16 | | 8.16 | 119.3 | | 3 | | . |
| | Mid- Flood | C1 | Sunny Moderate 17:04 | 17:05 17:05 | 26 | 9.6 | middle | 4.8 | 7.89 | 7.89 | 29.5 | 29.5 | 23.98 | 23.9 | 2.78 | 2.78 | 6.1 | 5.24 | 5.28 | | 78.5 | 79.05 | 2 | 2 | 3.67 | | |
| | 11000 | - | Sunny | Moderate | 17:04 | 17:05 | | | | | 7.89 | | 29.5 | | 25.73 | | 2.78 | | - | 5.32 | | | 79.6 | | 2 | | - |
| | | - | Sunny | Moderate Moderate | 17:05 17:05 | 17:06 | | | bottom | 8.6 | 7.89 7.89 | 7.89 | 29.4 | 29.45 | 25.73 | 25.795 | 2.34 | 12.845 | | 4.99 | 4.985 | 4.98 | 75.4 75.3 | 75.35 | 6 | 6 | |
| | | | Sunny | Moderate | 17:05 | 17:45 | | | | | 8.13 | | 30.3 | | 17.79 | | | | | 8.6 | | | 126.2 | | 3 | | |
| | | F | Sunny | Moderate | 17:45 | 17:45 | | | surface | 1 | 8.13 | 8.13 | 30.3 | 30.3 | 17.79 | 17.77 | 2.57 | 2.54 | | 8.13 | 8.365 | 8.36 5 | 126.2 | 126.45 | 2 | 2.5 | |
| | Mid- Flood | C2 | | | | | 26 | 5.2 | | | 8.13 | | 30.3 | | 17.73 | | 2.51 | | 2.5 | 8.67 | | | 120.7 | | 4 | | 3.5 |
| | | F | Sunny Moderate 17:48 17:48 | | bottom | om 4.2 | 8 | 8.065 | 30.3 | 30.2 | 20.77 | 19.235 | 2.54 | 2.52 | | | 7.94 | 7.94 | 107.1 | 117.1 | | 4.5 | | | | | |
| | | | Sunny | Moderate | 17:48 | 17:49 | | | | | ٥ | | 30.1 | | 20.77 | | 2.54 | | | 7.21 | | | 107.1 | | 5 | | 1 |

| Date | Cloudy/ Moderat | | Sea (Calm/ Moderate/ Rough) | Samplii | ng Time | Ambient Temp | Total Water Depth | Level | Sampling Depth (m) | | рН | Temp | vater perature °C) | Salini | ity (ppt) | Tur | bidity (NTU | J) | | DO mg/L | | | aturation (%) | Susper | nded Solids | (mg/L) | |
|------------------|-----------------|------|--------------------------------------|--------------------|----------------|-----------------|-------------------------|--------|-----------------------|------|--------------|---------|--------------------------|---------|-----------|---------|-------------|---------|---------|---------|---------|-----------|------------------|---------|-------------|---------|----------|
| (dd-mm- yyyy) | | | Condition | Condition | n Start Finish | Finish | Temp | (m) | | | Value | Average | Value | Average | Value | Average | Value | Average | DA * | Value | Average | DA* | Value | Average | Value | Average | DA* |
| | | | Sunny | Moderate | 14:16 | 14:16 | | | surface | 1 | 8.2 | 8.2 | 30 | 30.05 | 23.71 | 23.695 | 4.48 | 4.625 | | 8.75 | 8.76 | 8.76 | 131.7 | 131.95 | 6 | 6.5 | |
| | Mid- | M2 | Sunny | Moderate | 14:16 | 14:17 | 31 | 4.8 | surface | 1 | 8.2 | 2 | 30.1 | 30.03 | 23.68 | 23.093 | 4.77 | 4.023 | 5.4 | 8.77 | 6.70 | 8.70 | 132.2 | 131.95 | 7 | 0.5 | 5.75 |
| | Ebb | IVIZ | Sunny | Moderate | 14:17 | 14:18 | | 4.0 | bottom | 3.8 | 8.19 | 8.19 | 30 | 30 | 23.93 | 23.94 | 6 | 6.215 | 3.4 | 8.81 | 8.805 | 8.80 | 133 | 132.95 | 5 | 5 | 3.73 |
| | | | Sunny | Moderate | 14:18 | 14:19 | | | bottom | 3.0 | 8.19 | 8.19 | 30 | 30 | 23.95 | 23.74 | 6.43 | 0.213 | | 8.8 | 0.003 | 5 | 132.9 | 132.73 | 5 | 3 | |
| | | | Sunny | Moderate | 13:31 | 13:32 | | | surface | 1 | 8.1 | 8.1 | 30 | 30 | 23.5 | 23.47 | 9.73 | 8.565 | | 8.41 | 8.46 | | 126.5 | 127.25 | 6 | 5.5 | |
| | | | Sunny | Moderate | 13:32 | 13:33 | | | Surface | • | 8.1 | 0.1 | 30 | 30 | 23.44 | 23.47 | 7.4 | 0.505 | | 8.51 | 0.40 | 8.17 | 128 | 127.23 | 5 | 5.5 | 1 |
| | Mid- | C1 | Sunny | Moderate | 13:33 | 13:33 | 31 | 8.5 | middle | 4.25 | 8.08 | 8.08 | 29.9 | 29.9 | 25.49 | 25.46 | 13.81 | 13.205 | 10 | 7.87 | 7.88 | 0.17 | 119.6 | 119.7 | 4 | 3.5 | 5.67 |
| | Ebb | 01 | Sunny | Sunny Moderate | 13:34 | 13:34 | - | 0.5 | | 4.23 | 8.08 | 0.00 | 29.9 | 27.7 | 25.43 | 20.10 | 12.6 | 15.205 | | 7.89 | 7.50 | | 119.8 | 117.7 | 3 | + |] |
| | | | Sunny | Moderate | 13:34 | 13:35 | | | bottom | 7.5 | 8.05 | 8.045 | 29.8 | 29.8 | 26.35 | 26.385 | 8.22 | 8.755 | | 7.45 | 7.415 | 7.41 | 113.6 | 113.05 | 8 | 8 | |
| | | | Sunny | Moderate | 13:35 | 13:36 | | | | | 8.04 | | 29.8 | -,,, | 26.42 | | 9.29 | | | 7.38 | | 5 | 112.5 | | 8 | | |
| | | | Sunny | Moderate | 13:55 | 13:55 | | 5.6 | surface | 1 | 8.21 | 8.21 | 8.21 | 30.05 | 23.86 | 23.85 | 16.42 | 16.34 | | 9.12 | 9.135 | 9.13 | 137.5 | 137.85 | 17 | 17.5 | |
| | Mid- | C2 | Sunny | Moderate | 13:56 | 13:56 | 31 | | | | 8.21 | | 30.1 | | 23.84 | | 16.26 | | 17 | 9.15 | | 5 | 138.2 | | 18 | | 19.8 |
| | /9/2024 Mid | | Sunny | Moderate | 13:56 | 13:57 | _ | | bottom | 4.6 | 8.2 | 8.2 | 30 | 30 | 24.58 | 24.58 | 17.57 | 17.64 | | 8.95 | 8.945 | 8.94 | 135.5 | 135.45 | 22 | 22 | |
| 30/9/2024 | | | Sunny | Moderate | 13:57 | 13:57 | | | | | 8.2 | | 30 | | 24.58 | | 17.71 | | | 8.94 | | 5 | 135.4 | | 22 | | |
| | | | Sunny | Moderate | 19:02 | 19:02 | 29 | | surface | 1 | 8.44 | 8.44 | 30.4 | 30.5 | 20.86 | 20.84 | 4.15 | 3.69 | | 10.26 | 10.335 | 10.3 4 | 153.1 | 154.45 | 3 | 3.5 | |
| | | M2 | Sunny | Moderate | 19:03 | 19:03 | | 5.1 | | | 8.44 | 16 8.16 | 30.6 | | 20.82 | | 3.23 | | 4.6 | 10.41 | | · | 155.8 | | 4 | | 4.5 |
| | | | Sunny | Moderate | 19:04 | 19:05 | | | bottom | 4.1 | 8.16 | | 30 | 29.95 | 26.59 | 26.625 | 5.37 | 5.45 | | 7.44 | 7.395 | 7.39 5 | 114 | 113.25 | 6 | 5.5 | |
| | | | Sunny | Moderate | 19:05 | 19:05 | | | | | 8.16 | | 29.9 | | 26.66 | | 5.53 | | 7.35 | | 3 | 112.5 | | 5 | | | |
| | | | Sunny | Moderate | | 19:17 19:17 | - | | surface | 1 | 8.41 | 8.41 | 30.5 | 30.5 | 19.87 | 19.89 | 2.94 | | 10.54 | 10.73 | | 156.8 | 159.65 | 4 | 4 | | |
| | | | Sunny | Moderate | 19:17 | 19:18 | _ | | | | 8.41 | | 30.5 | | 19.91 | | 2.82 | | | 10.92 | | 9.91 5 | 162.5 | | 4 | | 1 |
| | Mid- Flood | C1 | Sunny | Moderate Moderate | 19:18 19:19 | 19:19 19:19 | 29 | 9.9 | middle | 4.95 | 8.33 8.33 | 8.33 | 30.2 | 30.2 | 22.68 | 22.64 | 4.2 | 4.145 | 6.4 | 9.04 | 9.1 | | 135.7 | 136.7 | 5 | 5 | 4.83 |
| | 14000 | | Sunny | Moderate | 19:19 | 19:19 | - | | | | 8.17 | | 29.7 | | 28.26 | | 12.47 | | - | 6.44 | | | 99 | | 6 | | 1 |
| | | | Sunny | Moderate | 19:20 | 19:20 | - | | bottom | 8.9 | 8.17 | 8.17 | 29.7 | 29.7 | 28.23 | 28.245 | 11.8 | 12.135 | | 6.43 | 6.435 | 6.43 5 | 98.8 | 98.9 | 5 | 5.5 | |
| | | | Sunny | Moderate | 19:20 | 19:20 | | | | | 8.28 | | 30.2 | | 22.57 | | 4.4 | | | 9.73 | | | 146.1 | | 2 | | \vdash |
| | | | Sunny | Moderate | 19:21 | 19:21 | 29 5.3 | | surface | 1 | 8.29 | 8.285 | 30.2 | 30.2 | 22.52 | 22.545 | 3.98 | 4.19 | | 9.73 | 9.77 | 9.77 | 147.4 | 146.75 | 3 | 2.5 | |
| | Mid- Flood | C2 | Sunny | Moderate | 19:23 | | | 5.3 | | | 8.25 | | 30.2 | | 25.19 | | 5.79 | | 5 | 8.82 | | 134 | | 8 | | 5.25 | |
| | | | Sunny | Moderate | 19:24 | 9:23 19:24 | | bottom | 4.3 | 8.24 | 8.245 | 30 | 30 | 25.28 | 25.235 | 5.95 | 5.87 | | 8.72 | 8.77 | 8.77 | 132.6 | 133.3 | 8 | 8 | | |

Appendix D Environmental Checklist



Ecosystems Ltd.

生態系統顧問有限公司

Environmental Monitoring Works for Lung Kwu Chau Jetty Repair Works

Environmental Checklist for Site Audit

Date: 27 Sep 2024

Time: /2: 22 pm.

Weather: Sunny

Audit No: 00 (

| Item | Environmental Protection Measures / | Imple | ement | ation | Action / Remarks | | |
|--------|--|--------|-------|-------|------------------|--|--|
| | Mitigation Measures | Υ | N | NA | | | |
| Previo | us follow up action | | | | | | |
| 1.1 | Are previous follow up actions implemented and accepted? | | | i/ | | | |
| | | | | | | | |
| Measu | ire / Practice to be implemented | | | | | | |
| 2.1 | Is the Environmental Permit displayed at the entrance of | / | | | | | |
| | construction site? | V | | | | | |
| 2.2 | Is Permit under s11 of Cap. 476A for the anchorage works obtained? | V | | | | | |
| 2.3 | Is MDN for the proposed reinstatement works obtained? | V | | | | | |
| 2.4 | Is the site kept clean and tidy? | 1/ | | | | | |
| 2.5 | Is the site free from wastewater discharge to the sea? | / | | | | | |
| 2.6 | Are there any measures to prevent leaked oil/chemical from entering the sea? | - | | V | | | |
| 2.7 | Is the site free from general waste (from construction | | | | | | |
| | worker) with reasonable condition? | \vee | | | | | |
| 2.8 | Are there any measures to collect spilt cement and | | | 1 | | | |
| | concrete washings during concreting works? | | | V | | | |
| 2.9 | Are construction solid waste, debris and rubbish (from | | | | | | |
| | construction activities) on site collected, handled and | | | | | | |
| | disposed of properly to avoid water quality impacts? | | | | | | |
| 2.11 | Is the 24-hour guard boat present around the Jetty? | V | | | | | |
| 2.12 | Is the double layer of floating type silt curtain adopted? | | | | | | |
| 2.13 | Are there spare silt curtains ready on site? | 1 | | | | | |
| 2.14 | Are steel drag anchors adopted for the derrick lighter? | | | 1/ | | | |
| 2.15 | Are the armour rock stored properly at the hopper of derrick lighter? | | | V | | | |
| 2.16 | Are the broken slab stored properly at the hopper of derrick lighter? | | | / | | | |
| 2.17 | Is the repair works area fenced off for maintaining an access for other's use? | | | V | | | |
| 2.18 | Is there any foundation of slab interrupted? | | | | | | |
| 2.19 | Is quieter machinery being used (e.g. silenced breaker)? | | | V | | | |
| 2.20 | Is there any blasting work observed? | | | V | | | |
| 2.21 | Are lifting eyes installed to the concrete blocks, if the | | | , | | | |
| | existing lifting holes are missing? | | | | | | |
| 2.22 | All pipe leakages shall be repaired promptly, and plant shall | | | 1./ | | | |
| | not be operated with leaking pipes. | | | V | | | |

| Item | Environmental Protection Measures / | Impl | ement | ation | Action / Remarks |
|------|---|------|-------|-------|------------------|
| | Mitigation Measures | Υ | N | NA | |
| 4.8 | In order to monitor the disposal of C&D materials at public filling areas, and to control fly-tipping, a trip-ticket system shall be included as one of the contractual requirements. | | | V | |
| 4.9 | Prior to disposal of C&D waste. It is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill. | | | V | |
| 4.10 | Proper storage and site practices to minimise the potential for damage or contamination of construction materials. | | | 1 | |
| 4.11 | Plan use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. | | | | |

•

Recorded by: Date: レ7 , 9 , ルンチ (Environmental Monitoring Team)

Signature:

Follow up by:
Date: -7 Sep >- -4.
(Contractor's representative)

Signature:

Appendix E Schedule of Water Quality Monitoring in October 2024

| Monitoring Date | 1st Tide Monitoring | 2nd Tide Monitoring |
|--------------------|---------------------|---------------------|
| 2/10/2024 (Wed) | 13:00 Mid-Ebb | 19:00 Mid-Flood |
| * 4/10/2024 (Fri) | 08:00 Mid-Flood | 14:00 Mid-Ebb |
| 7/10/2024 (Mon) | 10:00 Mid-Flood | 16:00 Mid-Ebb |
| * 9/10/2024 (Wed) | 07:00 Mid-Ebb | 13:00 Mid-Flood |
| # 11/10/2024 (Fri) | 08:00 Mid-Ebb | 15:00 Mid-Flood |
| 14/10/2024 (Mon) | 11:00 Mid-Ebb | 17:00 Mid-Flood |
| * 16/10/2024 (Wed) | 12:00 Mid-Ebb | 18:00 Mid-Flood |
| 18/10/2024 (Fri) | 08:00 Mid-Flood | 14:00 Mid-Ebb |
| 21/10/2024 (Mon) | 10:00 Mid-Flood | 16:00 Mid-Ebb |
| 23/10/2024 (Wed) | 07:00 Mid-Ebb | 13:00 Mid-Flood |
| * 25/10/2024 (Fri) | 09:00 Mid-Ebb | 15:00 Mid-Flood |
| 28/10/2024 (Mon) | 11:00 Mid-Ebb | 17:00 Mid-Flood |
| 30/10/2024 (Wed) | 11:00 Mid-Ebb | 17:00 Mid-Flood |

^{*} Tentative Site Inspection date # Public Holiday