

ECTS)52

Application No. :
Reference No. :
(For official use)

FORM 5
ENVIRONMENTAL IMPACT ASSESSMENT ORDINANCE
(CHAPTER 499)
SECTION 13(1)

Application for Variation of an Environmental Permit

PART A PREVIOUS APPLICATIONS

- ☐ No previous application for variation of an environmental permit.
☒ The environmental permit was previously amended.

Application No. : VEP-576/2020

PART B DETAILS OF APPLICANT

B1. Name : (person or company)

CLP Power Hong Kong Limited

[Note : In accordance with section 13(1) of the Ordinance, the person holding an environmental permit or a person who assumes responsibility for the designated project may apply for variation of the environmental permit.]

B2. Business Registration No. :
(if applicable)

B3. Correspondence Address :

B4. Name of Contact Person :

B5. Position of Contact Person :

B6. Telephone No. :

B7. Fax No. :

B8. E-mail Address : (if any)

PART C DETAILS OF CURRENT ENVIRONMENTAL PERMIT

C1. Name of the Current Environmental Permit Holder :

CLP Power Hong Kong Limited

C2. Application No. of the Current Environmental Permit : VEP-576/2020 (FEP-02/429/2012/B)

C3. The Current Environmental Permit was Issued in : month / year

05 2020

Important Notes : Please submit the application together with
(a) 3 copies of this completed form; and
(b) appropriate fee as stipulated in the Environmental Impact Assessment (Fees) Regulation
to the Environmental Protection Department at the following address :
The EIA Ordinance Register Office,
27th floor, Southorn Centre, 130 Hennessy Road,
Wan Chai, Hong Kong.

☐ Tick (✓) the appropriate box



PART D PROPOSED VARIATIONS TO THE CONDITIONS IN CURRENT ENVIRONMENTAL PERMIT

D1. Condition(s) in the Current Environmental Permit :	D2. Proposed Variation(s) :	D3. Reason for Variation(s) :	D4. Describe the environmental changes arising from the proposed variation(s) :	D5. Describe how the environment and the community might be affected by the proposed variation(s) :	D6. Describe how and to what extent the environmental performance requirements set out in the EIA report previously approved or project profile previously submitted for this project may be affected :	D7. Describe any additional measures proposed to eliminate, reduce or control any adverse environmental impact arising from the proposed variation(s) and to meet the requirements in the Technical Memorandum on Environmental Impact Assessment Process :
Condition 4.2 Within 6 weeks after the commencement of construction of the Project, a dedicated Internet web site shall be set up and the Director shall be notified in writing the Internet address where the environmental monitoring data and project information is to be placed. All environmental monitoring data described in Condition 4.1 above shall be made available to the public via the above mentioned dedicated Internet web site in the shortest possible time and in any event no later than 2 weeks after the relevant environmental monitoring data are collected or become available, unless otherwise agreed with the Director.	Proposed to include new statement in the end of Condition 4.2: "..... The Permit Holder shall maintain the dedicated website for public access of the environmental monitoring data and reports throughout the entire construction period and until 1 year after completion of the construction with no further update in the EM&A programme, or otherwise as agreed by the Director."	All the construction works were completed on 31 March 2025 with the EM&A Programme terminated on 31 March 2025. No further monitoring and audit, and associated EM&A programme is required. Details are given in the Supporting Paper submitted together with this application form.	N/A	N/A	N/A	N/A

PART E DECLARATION BY APPLICANT

E1. I hereby certify that the particulars given above are correct and true to the best of my knowledge and belief. I understand the environmental permit may be suspended, varied or cancelled if any information given above is false, misleading, wrong or incomplete.

[Redacted Signature]

Signature of Applicant

Full Name in Block Letters

Position

on behalf of

CLP Power Hong Kong Limited

Company Name and Chop (as appropriate)



14 September 2026

Date

NOTES :

1. A person who constructs or operates a designated project in Part I of Schedule 2 of the Ordinance or decommissions a designated project listed in Part II of Schedule 2 of the Ordinance without an environmental permit or contrary to the permit conditions commits an offence under the Ordinance and is liable to a maximum fine of \$5,000,000 and to a maximum imprisonment for 2 years.
2. A person for whom a designated project is constructed, operated or decommissioned and who permits the carrying out of the designated project in contravention of the Ordinance commits an offence and is liable to a maximum fine of \$5,000,000 and to a maximum imprisonment for 2 years.



Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1

VEP Supporting Paper

PREPARED FOR



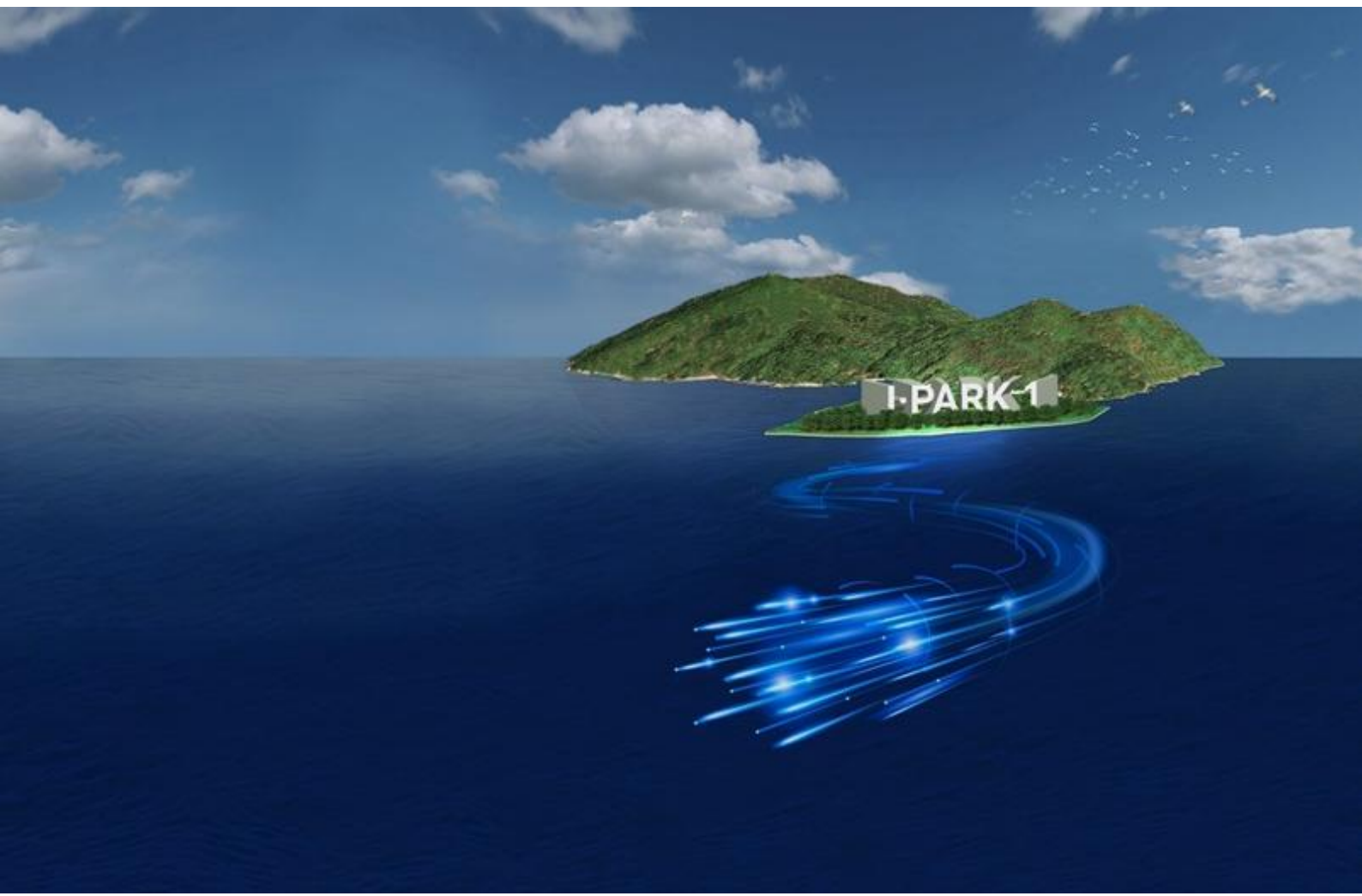
CLP Power Hong Kong Limited

DATE

14 September 2026

REFERENCE

0691230



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DOCUMENT TITLE	Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1
DOCUMENT SUBTITLE	VEP Supporting Paper
PROJECT NUMBER	0691230
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VERSION	01
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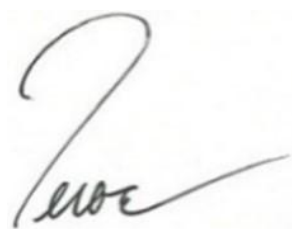
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Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1

VEP Supporting Paper

0691230



Terence Fong
Partner

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1. INTRODUCTION

1.1 BACKGROUND

The Environmental Protection Department (EPD) of the Government of the Hong Kong Special Administrative Region (HKSAR) proposed to construct the Integrated Waste Management Facilities Phase 1 (I.PARK1, previously named as IWMF) on an artificial island near Shek Kwu Chau, south of Lantau Island for the purpose of treating municipal solid waste and generating electricity from the waste treatment process for its own use and export surplus electricity, if any, to the power grid.

The EIA Report (EIA-201/2011) was approved by the EPD on 17 January 2012 with the Environmental Permit (EP) of the Project issued on 19 January 2012 (EP-429/2012) and a variation of the EP on 14 October 2016 (EP-429/2012/A). The approved EIA Report covered the project scope of the construction of I.PARK1 at the artificial island near Shek Kwu Chau, together with the construction of submarine cable to export surplus electricity to the power grid. The project scope involves the following element which is classified as Designated Project (DP) under Item C.1 of Part I, Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO):

Reclamation works (including associated dredging works) of more than 5 ha in size.

After a Further Environmental Permit (FEP) (FEP-01/429/2012/A) was granted to Keppel Seghers-Zhen Hua Joint Venture for the reclamation works and construction of I.PARK1 on 27 December 2017, a FEP (FEP-02/429/2012/A) was granted to CLP Power on 17 January 2020 for the construction and operation of the 132kV submarine cable circuits connecting Cheung Sha, South Lantau and Shek Kwu Chau Artificial Island. Variation of FEP (FEP-02/429/2012/B) to change of cable landing site and submarine cable alignment was granted to CLP Power on 25 May 2020. The proposed cable would land at the landing portal at Upper Cheung Sha Beach (UCSB). The project scope of the FEP covers the construction, maintenance and repairing of the submarine cable, which may not involve the element under Item C.1 of the EIAO as mentioned in the approved EIA, but may instead be classified as DP under Item C.12(1)(b) of Part I, Schedule 2 of the EIAO:

*A dredging operation that is less than 500 m from the nearest boundary of an existing or planned specified area that is wholly or partly situated on or over any foreshore and sea-bed (refer to **Figure 1** for location of the specified areas i.e. bathing beach and coastal protection area in relation to the project scope under FEP-02/429/2012/B).*

The Environmental Monitoring and Audit (EM&A) programme for "Submarine Cable for the Development of the IWMF Phase 1" (hereafter referred to as "the Project") has been implemented in accordance with the FEP conditions and Updated EM&A Manual under FEP-02/429/2012/B. The construction of the Project commenced on 3 October 2023. All marine-based works were completed on 20 December 2023 and the EPD was notified on 4 January 2024 regarding the completion of marine-based works (see **Annex A** for the notification letter).

In accordance with Section 12.4 of the Updated EM&A Manual, post-project monitoring of water quality was conducted from 8 January to 2 February 2024 (see **Annex A** for the

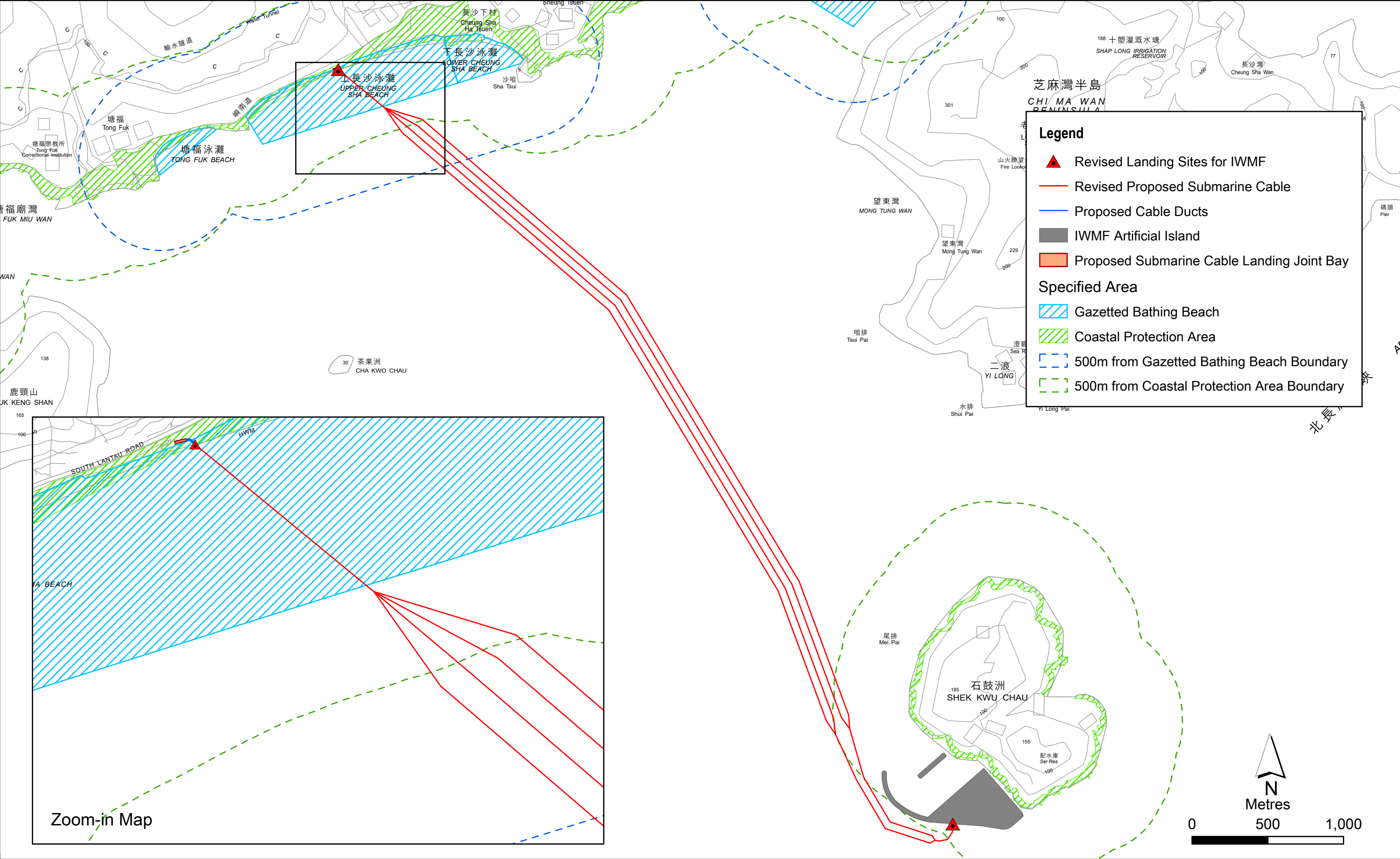


Figure 1

Location of Specified Area Relevant to the Project under FEP-02/429/2012/B



monitoring schedule) with the Post Project Monitoring Report submitted to the EPD on 20 February 2024 (see **Annex B** for the cover letter). Based on the results from the report, it was concluded that the Project did not result in unacceptable water quality impact which aligns with the predictions from the EIA Report and Environmental Review Report (ERR) associated with the FEP application.

The land-based cable jointing works at UCSB commenced on 17 February 2025, with all works completed on 31 March 2025. The EM&A programme for the construction phase of the Project as stipulated in the FEP conditions and Updated EM&A Manual was terminated on the same day and no further EM&A works are required. All relevant electronic EM&A documents are available at the EIAO website for public access.

1.2 PURPOSE OF THIS PAPER

In view of the completion of the construction of this Project, no further EM&A works are required under the FEP (FEP-02/429/2012/B) held by CLP Power. Based on this, no further update to the dedicated website for this Project is required. It is proposed to vary relevant condition of the FEP for the termination of maintaining the dedicated website for this Project.

This Paper provides information to describe the proposed variation. The information presented herein will form part of the submission to the EPD for an application for variation of the FEP.

2. PROPOSED VARIATION

The FEP conditions 4.1 to 4.3 under FEP-02/429/2012/B, which are reproduced below, are relevant to the dedicated website for this Project which stipulate the requirements for setup and maintenance of dedicated website to provide public access to environmental monitoring data. There is no specific statement relevant for the termination of the dedicated website upon the completion of construction works.

4.1 *To facilitate public inspection of the Baseline Monitoring Report and Monthly EM&A Reports via the **EIAO Internet Website** and at the EIAO Register Office, electronic copies of these Reports shall be prepared in Hyper Text Markup Language (HTML) (version 4.0 or later) and in Portable Document Format (PDF version 1.3 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hard copies as described in Conditions 3.3 and 3.4 above of this Permit. For the HTML version, a content page capable of providing hyperlink to each section and sub-section of these Reports shall be included in the beginning of the document. Hyperlinks to all figures, drawings and tables in these Reports shall be provided in the main text from where the respective references are made. All graphics in these Reports shall be in interlaced GIF format unless otherwise agreed by the Director. The content of the electronic copies of these Reports must be the same as the hard copies.*

4.2 *Within 6 weeks after the commencement of construction of the Project, a **dedicated Internet web site** shall be set up and the Director shall be notified in writing the Internet address where the environmental monitoring data and project information is to be placed. All environmental monitoring data described in Condition 4.1 above shall be made available to the public via the above mentioned dedicated Internet web site in the shortest possible time and in any event no later than 2 weeks after the relevant environmental monitoring data are collected or become available, unless otherwise agreed with the Director.*

4.3 *The **Internet web site** as described in Condition 4.2 above shall enable user-friendly public access to the environmental monitoring data and project information including the Project Profile and this Environmental Permit. The Internet web site shall have features capable of:*

- (i) providing access to all environmental monitoring data of this Project collected since the commencement of construction;*
- (ii) searching by date;*
- (iii) searching by types of monitoring data (air and water quality); and*
- (iv) hyperlinking to relevant monitoring data after searching;*

or otherwise as agreed by the Director.

In accordance with Section 12.5 of the Updated EM&A Manual for the Project, which is reproduced below. It is mentioned that all document and data for this Project should be kept for at least 1 year following the completion of the construction contract.

No site-based documents (such as monitoring field records, laboratory analysis records, site inspection forms, etc.) are required to be included in the monthly EM&A reports.

However, any such document should be well kept by the ET Leader and be ready for inspection upon request. All relevant information should be clearly and systematically recorded in the document. Monitoring data should also be recorded in magnetic media form, and the software copy must be available upon request. Data format should be agreed with EPD. All documents and data should be kept for at least one year following completion of the construction contract.

Based on the above, the proposed variation and the reason for variation are summarised in **Table 2.1** to support the application of variation of FEP.

TABLE 2.1 PROPOSED VARIATION TO THE CONDITION OF FEP-02/429/2012/B

Condition	Current EP	Proposed Variation	Reason for Variation
4.2	Within 6 weeks after the commencement of construction of the Project, a dedicated Internet web site shall be set up and the Director shall be notified in writing the Internet address where the environmental monitoring data and project information is to be placed. All environmental monitoring data described in Condition 4.1 above shall be made available to the public via the above mentioned dedicated Internet web site in the shortest possible time and in any event no later than 2 weeks after the relevant environmental monitoring data are collected or become available, unless otherwise agreed with the Director.	New Statement is proposed to be included in the end of Condition 4.2: "..... The Permit Holder shall maintain the dedicated website for public access of the environmental monitoring data and reports throughout the entire construction period and until 1 year after completion of the construction with no further update in the EM&A programme, or otherwise as agreed by the Director."	All the construction works were completed on 31 March 2025 with the EM&A Programme terminated on 31 March 2025. No further monitoring and audit, and associated EM&A programme is required.

ANNEX A

NOTIFICATION OF COMPLETION OF CONSTRUCTION AND SCHEDULE OF POST-PROJECT WATER QUALITY MONITORING

Ms. MAK Sze Wah, CelineEnvironmental Protection Officer
(Territory S) 23The EIA Ordinance Register Office,
Environmental Protection Department,
27/F, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong**DATE**

4 January 2024

SUBJECTCompletion of Construction and Schedule of
Post-Project Monitoring**REFERENCE**0691230_CLPIWMP_20240104_10_Completion
of Construction and Schedule of Post Project
Monitoring.docx**Environmental Permit FEP-02/429/2012/B - Submarine Cable for the
Development of the Integrated Waste Management Facilities (IWMF)
Phase 1****Notification of Completion of Construction and Schedule of Post-Project
Water Quality Monitoring**

Dear Celine,

On behalf of the Permit Holder, CLP Power Hong Kong Limited (CLP), we hereby to inform you that the construction of IWMF Phase 1 Submarine Cable was completed on 20 December 2023. Consequently, EM&A during construction was terminated on the same day. Furthermore, we would like to notify you that post-project water quality monitoring will commence on 8 January 2024 and target to be completed by 2 February 2024. The proposed schedule can be found in Annex A.

The Post Project Monitoring Report will be prepared and submitted after the completion of the post-project monitoring in accordance with Section 12.4 of the Updated EM&A Manual.

Should you have any queries, please feel free to contact the undersigned, or our Ms. Kisten MA (Tel: (852) 2271 3000; email: kisten.ma@erm.com)

Yours sincerely,

ERM-Hong Kong Ltd. on behalf of CLP Power Hong Kong Limited



Mandy TO

Consulting Director; Environmental Team Leader

Tel: (852) 2271 3000

Email: mandy.to@erm.com

Letter copied to:

- **Lemon LAM** from AECOM Asia Company Limited as IEC (by email); and
- **Ben FUNG** from CLP Power Hong Kong Limited as Permit Holder (by email)

ANNEX A

PROPOSED SCHEDULE FOR POST-PROJECT WATER QUALITY MONITORING

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1-Jan	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan
ebb tide 8:22 - 11:20 flood tide 13:00 - 16:30		ebb tide 10:17 - 12:46 flood tide 14:20 - 17:50		ebb tide 11:34 - 14:31 flood tide 6:16 - 9:46		
8-Jan	9-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan
ebb tide 13:51 - 17:21 flood tide 8:21 - 11:51		ebb tide 15:47 - 19:17 flood tide 9:47 - 13:17		ebb tide 18:12 - 21:42 flood tide 11:09 - 14:39		
15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan
ebb tide 20:58 - 0:28 flood tide 8:32 - 12:02		ebb tide 22:17 - 1:47 flood tide 9:58 - 13:28		ebb tide 23:27 - 2:57 flood tide 6:13 - 9:43		
22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	28-Jan
ebb tide 12:34 - 16:04 flood tide 7:11 - 10:41		ebb tide 13:41 - 17:11 flood tide 8:00 - 11:30		ebb tide 15:16 - 18:46 flood tide 8:54 - 12:24		
29-Jan	30-Jan	31-Jan		2-Feb		
					IWMF Cable Water Quality Monitoring Schedule 8 January 2024 - 2 February 2024	



ANNEX B

SUBMISSION OF POST PROJECT MONITORING REPORT

Ms. MAK Sze Wah, Celine

Environmental Protection Officer
(Territory S) 23

The EIA Ordinance Register Office,
Environmental Protection Department,
27/F, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong

DATE

20 February 2024

SUBJECT

Submission of Post-Project Monitoring
Report

REFERENCE

0691230_CLPIWMP_20240220_12_Post-
Project Monitoring Report.docx

**Environmental Permit FEP-02/429/2012/B - Submarine Cable for the
Development of the Integrated Waste Management Facilities (IWMF)
Phase 1**

Submission of Post-Project Monitoring Report

Dear Celine,

In accordance with Section 12.4 of the Updated EM&A Manual of the Project, on behalf of the Permit Holder, CLP Power Hong Kong Limited (CLP), this letter is to submit three hard copies and one electronic copy of the *Post-Project Monitoring Report* for the Project, certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

Should you have any queries, please feel free to contact the undersigned, or our Ms. Kisten MA (Tel: (852) 2271 3000; email: kisten.ma@erm.com)

Yours sincerely,

ERM-Hong Kong Ltd. on behalf of CLP Power Hong Kong Limited



Mandy TO

Consulting Director; Environmental Team Leader

Tel: (852) 2271 3000

Email: mandy.to@erm.com

Letter copied to:

- **Lemon LAM** from AECOM Asia Company Limited as IEC (by email); and
- **Ben FUNG** from CLP Power Hong Kong Limited as Permit Holder (by email)



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