

**Tung Chung New Town Extension (TCNTE) –
Professional Liaison Group (PLG)**

Notes of 10th Meeting

Date: 16 April 2024 (Tuesday)
Time: 9:30 am to 10:15 am
Venue: 13/F, Conference Room, North Point Government Offices (NPGO), 333 Java Road, Hong Kong and Online Meeting

Members present:

Mr. IP Wai-man, Raymond (Chairman)	Deputy Head (Works), Sustainable Lantau Office (SLO), Civil Engineering and Development Department (CEDD)
Mr. CHAK Hok-leung, Ryan (Secretary)	Senior Engineer, SLO, CEDD
Mr. Fredrick LEONG	Environmental Division, HKIE
Prof. Kenneth MY LEUNG	Department of Chemistry, CityU
Prof. Jianwen QIU	Department of Biology, HKBU

Project Team (East) – SLO, CEDD

Mr. TANG Siu-kit, Rafael	Senior Engineer
Mr. YEUNG Che-yuen, Patrick	Senior Engineer
Mr. LAM Wai-chuen, Eddie	Senior Engineer
Mr. LEUNG Wai-lit, Eric	Engineer
Mr. WO King-tai	Marine Conservation Officer

Project Team (West) – SLO, CEDD

Ms. WU Wai-yu, Sharon	Chief Engineer
Ms. LI Lai-kuen, Liz	Senior Engineer
Mr. LAI Siu-ming, Jeffrey	Senior Engineer
Ms. LAM Cheuk-ting, Carol	Engineer
Mr. LEE Chik-hang, Edward	Project Coordinator

Independent Environmental Checker - Binnies Hong Kong Limited

Mr. Manuel CHUA	Independent Environmental Checker (IEC)
Mr. Edward LAU	Deputy IEC

Environmental Team (East) - ERM-Hong Kong, Limited

Mr. Kelvin SO	Environmental Team Leader
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Environmental Team (West) - Mott MacDonald Hong Kong Limited

Mr. Thomas CHAN	Project Manager
Mr. Daniel SUM	Environmental Team Leader
Ms. Julia CHAN	Qualified Ecologist
Mr. Jay CHUA	Environmental Team Member

In attendance:

Project Consultant (East) - AECOM (Asia) Company Limited

Mr. Chris HO	Technical Director
Mr. Frankie FAN	Principal Resident Engineer
Mr. Chris CHEUNG	Chief Resident Engineer
Mr. Victor CHAN	Resident Engineer

Project Consultant (West) - Ove Arup & Partners Hong Kong Limited

Mr. Jackson WONG	Principal Resident Engineer
Mr. Sam CHAN	Senior Resident Engineer
Ms. Shirley YEUNG	Senior Resident Engineer
Mr. Kin CHAN	Resident Engineer
Ms. Carmen CHAN	Resident Engineer

Absent with apology:

Ms. Mandy LO	Former Scientific Officer, Ocean Park Conservation Foundation Hong Kong
Dr. Cynthia YAU	Department of Ocean Science, HKUST

Responsible

1 Welcome and Introduction

1.1 The Chairman welcomed members for attending the 10th meeting of the PLG.

2 Confirmation of Last Meeting Minutes

2.1 The Secretary reported that the minutes of the last meeting had been circulated to members and no comments were received. The last meeting minutes were agreed by all members without amendment.

3 Matters Arising from Last Meeting

3.1 The Secretary reported the follow-up actions taken in respect of the items discussed in the last meeting.

Tung Chung East (TCE)

3.2 Review Mesh Size and Material of the Oyster Bag

3.2.1 The Project Team (East) reported that hemp rope oyster bags with mesh size opening of 25mm were deployed at the mangrove eco-shoreline.

3.2.2 A member enquired whether the oyster bags would be subject to wave action which may cause damage to the bags. The Project Team (East) advised the oyster bags were located behind eco-shoreline concrete blocks and sheltered from wave action. Nonetheless, the Project Team (East) would continue to monitor the condition of the oyster bags and replace damaged bag when necessary.

3.3 Install Temperature Loggers to Monitor Temperature Profile of Rock Pools

3.3.1 The Project Team (East) reported that temperature loggers were under procurement and would be installed in May 2024 tentatively for monitoring the temperature of rock pools at the rocky eco-shoreline.

3.4 Incorporate EM&A Data into EPD's Centralised Environmental Database

3.4.1 The Project Team (East) reported that several discussions with EPD on the Centralised Environmental Database (CED) were conducted. EPD acknowledged that all Environmental Permit submissions and EM&A data were already publicly available through EPD website as well as the dedicated project website. The Chairman added that all the monitoring data could be provided upon EPD's request. [Post meeting note: EPD is planning to incorporate of all the environmental data in the vicinity of Lantau areas/waters, including but not limited to TCNTE project, into their CED database. No timetable could be provided so far.]

Project
Team (East)

4 Tung Chung East (TCE) - Presentation and Discussion

4.1 Progress of Construction Works

4.1.1 The Project Consultant (East) reported that the TCE reclamation was completed and presented some typical organisms observed at the vertical, rocky and mangrove eco-shoreline with the use of advance technology for monitoring such as underwater drone and artificial intelligence (AI) cameras. The Project Consultant (East) briefed Members on the installation of eco-engineered panels at the trial site to facilitate research studies by local universities. The Project Consultant (East) also presented the progress and major construction activities in forthcoming months for construction contracts in TCE under TCNTE, which included:

- (i) NL/2020/02 – Salt Water Service Reservoir and Salt Water Pumping Station
- (ii) NL/2020/03 – Infrastructure Works for TCE (Phase 1)

- (iii) NL/2020/04 – Fresh Water Service Reservoir & Mainlaying
- (iv) NL/2020/07 – Infrastructure Works at Tai Ho Interchange

4.1.2 The Project Consultant (East) reported that the field works of first dry season monitoring of eco-shoreline were completed.

4.1.3 Regarding the use of AI cameras for monitoring, a member enquired the methodology adopted. The Project Consultant (East) explained the monitoring sub-contractor had experiences in using similar technology for another study in Hong Kong on fish identification. The Project Team (East) has further developed the AI model for detection of other creatures observed at eco-shorelines. The monitoring system involved AI deep learning to gradually improve the accuracy of the monitoring results.

4.1.4 A member thanked the Project Team (East) on the assistance and continuing support to the research by local universities and suggested to allow one of the research teams to present their findings in future meeting. The Chairman responded that the Project Team would continue to provide support to the research teams and welcome the sharing of the research findings.

4.2 TCE – Environmental Monitoring and Audit

4.2.1 The ET/E introduced the Environmental Monitoring and Audit (EM&A) in TCE for TCNTE, which included the implementation of environmental mitigation measures and the summary of the environmental monitoring results covering air quality, noise and ecology. The ET/E reported that no project-related exceedance was recorded in the past 6 months. A summary of complaints received was presented.

5. Tung Chung West (TCW) - Presentation and Discussion

5.1 Progress of Construction Works

5.1.1 The Project Consultant (West) provided an overview of the TCW contracts and briefed members on the construction progress. The Project Consultant (West) also reported the progress and major construction activities in the forthcoming months for construction contracts in TCW under TCNTE. They included:

- (i) NL/2020/05 – Site Formation and Infrastructure Works at Ma Wan Chung
- (ii) NL/2020/06 – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1

5.1.2 A member noted that there were other major construction works close to the contracts in TCW such as the MTRC Tung Chung Line Extension next to Yat

Tung Estate. The member enquired the liaison with MTRC on environmental control and public relation. The Chairman assured that close liaison with MTRC and their contractors would be maintained throughout the construction phase. The Project Consultant (West) supplemented that monthly interface meeting was held.

5.2 TCW – Environmental Monitoring and Audit

5.2.1 The ET/W updated the EM&A in TCW for TCNTE from October 2023 to February 2024, which included the implementation of environmental mitigation measures, the summary of the environmental monitoring results covering air quality, noise, stream water quality and ecology as well as the environmental complaints received.

6. AOB

6.1. The Chairman thanked the members for their valuable comments and recommendations in respect of the EM&A for the TCNTE project.

6.2. The Chairman advised that the current term of PLG membership will end after this meeting. Invitation letter would be issued out to Members to seek their intention in joining the next term.

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