

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

Notes of 9th Meeting

Date: 20 October 2023 (Friday)
Time: 9:30 am to 11:00 am
Venue: 13/F, Conference Room, North Point Government Offices (NPGO), 333 Java Road, Hong Kong and Online Meeting

Members present:

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| Mr. IP Wai-man, Raymond (Chairman) | Deputy Head (Works), Sustainable Lantau Office (SLO), Civil Engineering and Development Department (CEDD) |
| Mr. TANG Siu-kit, Rafael (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 |
| Dr. Cynthia YAU | Department of Ocean Science, HKUST |

Project Team (East) – SLO, CEDD

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| Mr. YAN Chun-ho | Senior Geotechnical Engineer |
| Ms. TANG Yuen-ki, Phoebe | Senior Engineer |
| Mr. YEUNG Che-yuen, Patrick | Senior Engineer |
| Mr. LEUNG Wai-lit, Eric | Engineer |
| Mr. WO King-tai | Marine Conservation Officer |

Project Team (West) – SLO, CEDD

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| Ms. LI Lai-kuen, Liz | Senior Engineer |
| Mr. KWONG Yuk-fai, Samson | Senior Engineer |
| Mr. YIU Wai-yum, Samuel | Engineer |
| Ms. LAM Cheuk-ting, Carol | Engineer |
| Ms. TUNG Pak-chi, Diana | Engineer |
| Mr. LEE Chik-hang, Edward | Project Coordinator |

Independent Environmental Checker - Binnies Hong Kong Limited

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

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

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| Ms. Jasmine NG | Project Manager |
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Mr. Kelvin SO Environmental Team Leader

Environmental Team (West) - Mott MacDonald Hong Kong Limited

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

In attendance:

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

Mr. Chris HO Technical Director
Mr. Frankie FAN Principal Resident Engineer
Mr. Chris CHOW Senior Resident Engineer
Mr. Vincent LEUNG Senior Resident Engineer
Mr. Victor CHAN Resident Engineer

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

Mr. Davis LEE Project Manager
Mr. Jackson WONG Principal Resident Engineer
Mr. Alan NG Chief Resident Engineer
Mr. Sam CHAN Senior Resident Engineer
Ms. Shirley YEUNG Senior Resident Engineer
Mr. Kin CHAN Resident Engineer

Absent with apology:

Ms. Mandy LO Former Scientific Officer, Ocean Park Conservation Foundation Hong Kong

Responsible

1 Welcome and Introduction

1.1 The Chairman welcomed members for attending the 9th 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 Raising Platform Level or Stacking Oyster Reef at Lower Platform of Mangrove Eco-shoreline

3.2.1 The Project Team (East) reported that the lower platform of about 400m of mangrove eco-shoreline has been raised from 0.9mPD to 1.5mPD and about 40 piles of oyster bags (5 oyster bags per pile) were being evenly placed at the lower platform of the remaining 800m mangrove eco-shoreline.

4 Tung Chung East (TCE) - Presentation and Discussion

4.1 Progress of Construction Works

4.1.1 The Project Consultant (East) provided an overview of the TCE reclamation contract and briefed members on the completion of Mangrove, Rocky and Vertical Eco-shoreline. The Project Consultant (East) also introduced the progress and major construction activities in forthcoming months for construction contracts in TCE under TCNTE. They 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) advised that the 3-year monitoring of eco-shoreline had just commenced and the first monitoring fieldwork would be conducted in late December 2023 or early January 2024.

4.1.3 A member suggested to review the mesh size of the oyster bag to allow marine organisms entering and leaving the oyster bag at various stages of life cycle. As for material of the oyster bag, the use of decomposable materials such as hemp rope or thin stainless-steel wire was recommended. The Project Consultant (East) would follow up on the recommendation. Project Consultant (East)

4.1.4 Members suggested to install temperature loggers (e.g. temperature sensing i-Buttons) at the tidal pools of rocky eco-shoreline to monitor the temperature profile of the different rock pool design especially during summer period. The Project Consultant (East) would consider the suggestion. Project Consultant (East)

4.1.5 A member enquired about possible public concern on mosquito breeding at the eco-shoreline. The Project Team (East) advised that as the rock pool was within the tidal zone, there would be regular exchange of water and no mosquito breeding problem was observed so far.

- 4.1.6 Regarding member's enquiry of sediment deposition in the rock pools, the Project Team (East) advised the natural wave action could provide sufficient flushing and no significant sedimentation was observed so far. They would continue to monitor and review the situation.
- 4.1.7 A member asked about the contingency measures at eco-shorelines to be implemented with respect to inclement weather conditions. The Project Team (East) replied that based on the observation at Siu Ho Wan eco-shoreline trial site for the past 3 years after several super typhoon events, the organisms could quickly recolonize.
- 4.1.8 Upon enquiry raised by a member, the Project Consultant (East) advised that the top level of eco-pot was +1.3mPD and angle stainless steels would be installed to securely fix the eco-pots. The member considered the installation arrangement of eco-pots appropriate.
- 4.1.9 The Project Team (East) presented videos from underwater drone which reveals colonization of various marine organisms at the mangrove and rocky eco-shorelines. Further monitoring and species identification using artificial intelligence (AI) were being explored. Member reminded systematic approach should be adopted to obtain useful data and to showcase the achievement.
- 4.1.10 The Project Team (East) invited the PLG members to have a site visit at the eco-shorelines and the date of visit would be confirmed later. Members agreed.

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, marine water quality 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.
- 4.2.2 A member noted water quality impact monitoring was suspended and enquired if post-project monitoring would be conducted. The ET/E advised the project EM&A Manual has not stipulated the need for post-project monitoring. Nonetheless, upon completion of the reclamation and marine works in August 2023, one full month of water quality monitoring was conducted in September 2023. During that period, no project related exceedance was recorded.

- 4.2.3 A member enquired about complaint handling and investigation mechanism since a number of concurrent projects have commenced. ET/E replied each complaint case would be carefully investigated with works information obtained from contractors and Resident Site Staff. Mitigation measures would be recommended to address public concern. The investigation findings would also be reported to EPD.
- 4.2.4 A member advised that EPD has developed a Centralised Environmental Database for environmental and ecological data as part of the optimization of the EIAO Process and enquired whether the EM&A data of horseshoe crab of the Tung Chung New Town Extension project could be incorporated into the database. The Project Team (East) would discuss with EPD on the issue. Project Team (East), ET/E & IEC

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 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 enquired whether the works for Coastal Pedestrian Access at Area 29A would involve reclamation and if eco-shoreline design could be incorporated. The Project Team (West) replied that no reclamation works but only pile foundation along the coast would be involved.

5.1.3 Members enquired about the current progress of the River Park. The Project Team (West) advised that the River Park (Stage 1) would be completed and handed over to DSD in 2025 tentatively. The temporarily diverted Tung Chung Stream would be reverted upon completion of the substantial revitalisation works of the existing channelized Tung Chung Stream in late 2024 / early 2025 tentatively. The Chairman added that the River Park (Stage 2) was currently under detailed design and would seek funding from LegCo in 2024.

5.2 TCW – Environmental Monitoring and Audit

5.2.1 The ET/W updated the EM&A in TCW for TCNTE from February to September 2023, 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.

- 5.2.2 A member enquired the details of the ecological monitoring exceedance in September 2023. The ET/W explained the exceedance in the low number of fish species recorded was due to the extreme weather conditions in September 2023. The stream habitat was altered by the record-breaking rainfall and the ecological monitoring via direct observation of fish species was affected due to large volume of stream flow and high turbidity.
- 5.2.3 The Project Team (West) advised that the water quality monitoring exceedances were mainly due to adverse weather. Members suggested to supplement rainfall data on the graphs. The Project Team (West) agreed and would be included in future presentation.
- 5.2.4 A member enquired the precautionary measures taken during adverse weather condition. The Project Consultant (West) reported that Temporary Drainage Management Plan for all site areas have been developed and implemented. The Project Consultant (West) reported that all site runoff was diverted to wastewater treatment facilities for treatment before discharging to the designated discharge points in accordance with the relevant wastewater discharge licence. In addition, emergency equipment, including standby pumps, extra sedimentation tanks, pipes and sandbags, were equipped on-site as the precautionary measures for use when necessary.

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.

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