

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

Notes of 5th Meeting

Date: 19 July 2021 (Monday)
Time: 2:30 pm to 4:00 pm
Venue: Conference Room, 12/F, 1063 King's Road, Quarry Bay

Members present:

Mr WONG Kwok-fai, Alfred (Chairman)	Chief Engineer, Sustainable Lantau Office (SLO), Civil Engineering and Development Department (CEDD)
Mr LO Siu-keung (Secretary)	Senior Engineer, SLO, CEDD
Mr Fredrick LEONG	Environmental Division, HKIE
Prof. Kenneth MY LEUNG	Department of Chemistry, CityU
Ms Mandy LO	Former Scientific Officer, Ocean Park Conservation Foundation Hong Kong
Prof Jianwen QIU	Department of Biology, HKBU
Dr Cynthia YAU	Department of Ocean Science, HKUST

Project Team (East) – SLO, CEDD

Mr CHEUNG Kin-tak, Henry	Senior Geotechnical Engineer
Mr HO Hei-ming, Bryan	Senior Engineer
Mr LAM Wai-chuen, Eddie	Senior Engineer
Mr LAI Ho-keung, Stanley	Engineer
Mr WO King-tai	Marine Conservation Officer

Project Team (West) – SLO, CEDD

Mr WONG Chung-pong, Gavin	Chief Engineer
Mr CHAN Tang-lun, Leo	Senior Engineer
Mr LAM Chun-tak	Senior Engineer

Independent Environmental Checker - Binnies Hong Kong Limited

Mr Manuel CHUA	Independent Environmental Checker
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Environmental Team (East) - ERM-Hong Kong, Limited

Ms Jasmine NG	Project Manager
Mr Ray YAN	Environmental Team Leader
Mr Kelvin SO	Deputy Environmental Team Leader

Environmental Team (West) - Mott MacDonald Hong Kong Limited

Mr Thomas CHAN

Project Manager

Mr Daniel SUM

Environmental Team Leader

In attendance:

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

Mr Frankie FAN

Principal Resident Engineer

Mr Chris CHEUNG

Chief Resident Engineer

Mr David GALLACHER

Executive Director

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

Mr Jackson WONG

Principal Resident Engineer (Designate)

Mr Alan NG

Chief Resident Engineer (Designate)

Absent with apology:

Mr IP Wai-man, Raymond

Deputy Head (Works), SLO, CEDD

Responsible

1 Welcome and Introduction

- 1.1 The Chairman welcomed members for attending the fifth meeting of the PLG.

2 Confirmation of Last Meeting Minutes

- 2.1. The Secretary expressed 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.

3.2. Site Visit to the Eco-shoreline

- 3.2.1. The Secretary expressed that the pandemic was not yet over. The site visit to the eco-shoreline for stakeholders would be arranged in due course.

3.3. Design of the Eco-shoreline

- 3.3.1. The Project Consultant (East) recapped that two species, namely *Kandelia obovata* (水筆仔) and *Avicennia marina* (白骨壤), in the site trial for mangrove eco-shoreline showed a better survival/growth rate among the six selected mangrove species. As suggested by members, the Project Consultant (East) would review the growth of the other four species under different conditions in further trials. The Project Consultant (East) would

consider using *Kandelia obovata* and *Avicennia marina* as the majority of planting in the eco-shoreline, with smaller numbers of other species incorporated into the planting mix.

3.3.2. Regarding the suggested stepped platforms for the mudflat, the Project Consultant (East) reported that they were considering to form two-step platforms with natural materials. A member advised that the number of steps to be formed should take account of the width of the eco-shoreline sections.

3.3.3. The Project Consultant (East) reported that drill holes with different sizes would be provided on bio-blocks to be installed between +1.0 and +1.6 mCD to facilitate the growth of different species. A member observed that horizontal drill holes favoured the growth of different kinds of organism such as shellfish, snail and crab, while vertical drill holes favoured certain kinds of organisms such as Goby (鰕虎魚) and *Cypraea* (寶貝螺). It was therefore suggested providing both horizontal and vertical drill holes on bio-blocks to enhance the species diversity. The Project Consultant (East) would take into account the advice from members in finalising the design.

Project
Consultant (East)

3.3.4. A member commented that leakage in the rockpool would affect the effectiveness of the function of the eco-shoreline as well as create a maintenance issue for the joint sealants. It was suggested designing the rockpool to be entirely cast as a single unit of blocks to address the leakage problem. The Project Consultant (East) proposed to adopt one-block rockpool to avoid the leakage problem and it was preliminarily found to be feasible.

3.3.5. The member also recommended that the rockpool should be located below mid-tide level to avoid mosquito breeding, and stones should be placed in the rockpool to provide habitat for organisms. The Project Consultant (East) would consider members' advice and recommendations in finalizing the design.

Project
Consultant (East)

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 construction progress. The Project Consultant (East) also introduced the construction contracts recently commenced or would commence and their scope of works in TCE under TCNTE. They included:

- (i) Salt Water Service Reservoir and Salt Water Pumping Station
- (ii) Infrastructure Works for TCE (Phase 1)

- (iii) Fresh Water Service Reservoir & Mainlaying
- (iv) Infrastructure Works at Tai Ho Interchange
- (v) Infrastructure Works for TCE (Remaining)

4.1.2. The Project Consultant (East) briefed members the major construction activities in forthcoming months for these contracts and advised that project newsletters were published quarterly for disseminating first-hand project information to the public and stakeholders.

4.2. TCE – Environmental Monitoring and Audit

4.2.1. The Environmental Team of TCE (ET/E) introduced the Environmental Monitoring and Audit (EM&A) in TCE for TCNTE, including management organization, requirements under the Environmental Permit (EP), environmental mitigation measures, and the dedicated website under the EP.

4.2.2. The ET/E provided a summary of the environmental monitoring results, covering air quality, noise level, water quality and ecology and reported that no project-related exceedance was recorded in the past 6 months.

4.3. Details of Complaints

4.3.1. In response to the query from a member about the increase in the number of complaints in the past year (July 2020 to June 2021), the ET/E provided the details of complaints and advised that the complaint figures included those that were found to be unrelated to the reclamation works upon investigation. A member suggested making use of the records of the log-book of construction activities in the complaint investigation and subsequent explanation to the public.

4.3.2. A member suggested conducting noise monitoring for construction works undertaken during restricted hours. The Project Team (East) responded that they would review the arrangement with the Project Consultant (East) and the Environmental Team to follow up on the suggestion. Project Team (East)/Consultant (East) & ET/E

4.4. Design for Climate Change

4.4.1. In response to a query from the member, the Project Team (East) advised that the effect of climate change had been considered in the design with reference to the “Intergovernmental Panel on Climate Change Fifth Assessment Report”, rainfall and sea-level predictions from the Hong Kong Observatory, as well as the latest edition of Stormwater Drainage Manual and Port Works Design Manual.

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

5.1. Progress of Construction Works

5.1.1. The Project Consultant (West) introduced the construction contracts recently commenced for TCNTE in TCW. They included:

- (i) Site Formation and Infrastructure Works at Ma Wan Chung
- (ii) Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1

5.1.2. The Project Consultant (West) briefed members the scope of works and major construction activities in forthcoming months for these contracts in TCW.

5.1.3. The ET of TCW (ET/W) introduced the management organization for the EM&A for TCNTE in TCW.

5.1.4. The ET/W briefed members the monitoring locations, plan, methodology and status for the baseline monitoring for air quality, noise, stream water quality and ecology. The ET/W reported that two additional stream water quality monitoring locations were proposed in consultation with green groups.

5.2. Baseline Monitoring

5.2.1. A member asked if nutrient levels could be measured for the stream water quality monitoring. The ET/W responded that the stream water quality monitoring under the EM&A aimed at monitoring the water quality impact arising from the construction works and site run-off related parameters (i.e. suspended solids and dissolved oxygen) would be the key parameters for the monitoring. The ET/W added that nutrient levels, which might be contributed by the discharge from villages, would not be the main concern for construction works. The ET/W would however consider including the parameter of conductivity in the monitoring programme as an indicator of the nutrient level in the stream water.

ET/W

5.2.2. A member questioned if all the proposed environmental monitoring stations followed the recommendations in the EIA Report. The ET/W responded that the monitoring stations for air quality and noise level followed the proposed locations in the EM&A Manual in general while two additional monitoring stations were proposed for stream water quality monitoring. The ET/W added that for ecological baseline monitoring, there was no detailed monitoring plan and locations given in the EM&A Manual. As the ecological baseline monitoring required 12-month to complete, CEDD had

instructed the ET/E to prepare and submit a monitoring proposal to EPD and AFCD for approval in early 2020. ET/W reported that the monitoring proposal was approved in mid-2020 and the ecological baseline monitoring started in August 2020 by the ET/E.

5.2.3. In response to a query from a member, the ET/W reported that *Macropodus hongkongensis* (香港鬥魚) was not found but *Acrossocheilus beijiangensis* (北江光唇魚) and some other concerned species were recorded in the baseline monitoring.

5.2.4. A member questioned if any invasive species such as *Oreochromis mossambicus* (金山鯽) were identified in the baseline monitoring and recommended to remove them to protect the native species. The ET/W responded that invasive species were recorded during the baseline monitoring and they would liaise with relevant authorities for suitable ways to deal with them.

ET/W

5.3. Woodland Compensation

5.3.1. The Project Consultant (West) reported that there were about 30,000 trees with 20 species for woodland compensation, including *Schima superba* (木荷), *Ligustrum sinense* (山指甲), *Mallotus paniculatus* (白楸), *Celtis sinensis* (朴樹) *Cinnamomum burmannii* (陰香) and *Sapium sebiferum* (烏臼), etc. The Project Team (West) would provide further details to members after the meeting.

Project Team
(West)

[Post-meeting notes: Details of the woodland compensation planting were provided to members on 3 August 2021.]

5.4. River Park Design

5.4.1. The Project Team (West) reported that the channelized section at downstream of Tung Chung Stream would be revitalized while the natural section at its upstream would be preserved with provision of natural walking trail to promote water-friendly culture. The Project Team (West) added that fish ladders would be provided along Tung Chung Stream to enhance the ecological connectivity. The Project Team (West) would provide further details of the proposed River Park design to members after the meeting.

Project Team
(West)

[Post-meeting notes: Photomontage of the River Park was provided to members on 3 August 2021.]

5.5. Environmental Survey in Ma Wan Chung

5.5.1. In response to a query from members about the archaeological works in Ma Wan Chung, the Project Consultant (West) reported that the Archaeological

Action Plan for archaeological work in the areas near Tung Chung Road North and along the coast near Ma Wan Chung would be submitted to Antiquities and Monuments Office in August 2021. The Project Consultant (West) supplemented that no construction works at concerned areas would be allowed before completion of the archaeological survey and approval from the relevant authorities.

5.6. Sustainable Urban Drainage System

5.6.1. A member enquired about the proposed sustainable urban drainage system (SUDS). The Project Consultant (West) and Project Team (West) explained that the SUDS, including roadside bioswales and regional SUDS, was adopted to prevent water quality impact due to surface run-off to Tung Chung Stream which was of high ecological value. The Project Team (West) would provide more details to members after the meeting.

Project Team
(West)

[Post-meeting notes: Details of the SUDS were provided to members on 3 August 2021.]

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.

- End -