

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

Notes of 6th Meeting

Date: 17 January 2022 (Monday)
Time: 2:30 pm to 3:45 pm
Venue: Online Meeting

Members present:

Mr IP Wai-Man, Raymond (Chairman)	Deputy Head (Works), Sustainable Lantau Office (SLO), Civil Engineering and Development Department (CEDD)
Mr YUNG Sai-man, Gary (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 CHENG Yuk-lung, Stanley	Chief Engineer
Mr YAN Chun-ho	Senior Geotechnical Engineer
Mr HO Hei-ming, Bryan	Senior Engineer
Mr LAM Wai-chuen, Eddie	Senior Engineer
Mr WO King-tai	Marine Conservation Officer

Project Team (West) – SLO, CEDD

Mr WONG Chung-pong, Gavin	Chief Engineer
Mr LAM Chun-tak	Senior Engineer
Mr WONG King-ho, Desmond	Engineer
Mr YIU Wai-yum, Samuel	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

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
Ms Julia CHAN	Qualified Ecologist of Environmental Team (West)

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
Mr Alan NG	Chief Resident Engineer
Mr Sam CHAN	Resident Engineer

Absent with apology:

Nil

Responsible

1 Welcome and Introduction

- 1.1 The Chairman welcomed members for attending the sixth 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.

TCE

3.2. Design of the Eco-shoreline

3.2.1 The Project Consultant (East) reported that members' advice and recommendations in last meeting had been considered in finalising the eco-shoreline design. These included different sizes of horizontal and vertical drill holes on bio-blocks, provision of shelters and placing stones in the micro rockpool to further enhance biodiversity.

3.2.2 A member mentioned that horizontal drill holes were much more effective than vertical drill holes as it could provide marine organisms under shading and shelter environment. The temperature in the vertical drill holes was substantially higher under sunlight therefore was not favourable for organisms. The member recommended and the Project Team (East) agreed that more horizontal drill holes should be provided as far as practicable.

3.3. Design of the Rockpool

3.3.1 The level of the rockpool had been lowered in the latest design. The highest level of the rockpool now was +2.09 mPD, with the main rockpool level at +1.1 to +1.2 mPD considering that the average Hong Kong mean sea level was +1.3 mPD.

3.4. Conduct Noise Monitoring for Construction Works during Restricted Hours

3.4.1 The construction works undertaken during restricted hours had followed the requirements of the Construction Noise Permit (CNP) issued by EPD. The Project Team (East) together with ET/E and IEC would continue to ensure contractors following the CNP requirements for works during restricted hours.

TCW

3.5. Stream Water Quality Monitoring

3.5.1 The Environmental Team of TCW (ET/W) recapped that measurement of nutrient levels in the stream water monitoring near village areas was not be practical since there might be discharge from villagers not arising from construction activities. Nonetheless, conductivity measurement as an indicator of the nutrient levels in the stream water had been included in both baseline and construction impact monitoring by ET/W. If abnormal conductivity level was observed, further investigation would be conducted by ET/W.

3.6. Presence of Invasive Species in Tung Chung Stream

3.6.1 ET/W reported that the following exotic fish species were recorded in Tung Chung stream during the baseline monitoring:

Common Name	中文名	Species name
Swordtail	劍尾魚	<i>Xiphophorus hellerii</i>
Variable Platyfish	雜色劍尾魚	<i>Xiphophorus variatus</i>
Mosquito Fish	食蚊魚	<i>Gambusia affinis</i>
Redbelly Tilapia	齊氏非鯽	<i>Coptodon zillii</i>

3.6.2 As all these species were not uncommon and well established in Hong Kong river, their population would be kept in view during the impact monitoring.

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) NL/2020/02 – Salt Water Supply System
- (ii) NL/2020/03 – Major Infrastructure Works in Tung Chung East
- (iii) NL/2020/04 – Siu Ho Wan Fresh Water Service Reservoir and Associated Mainlaying Works
- (iv) NL/2020/07 – 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, environmental mitigation measures, and the dedicated website under the EP.

4.2.2. The ET/E presented a summary of the environmental monitoring results, covering air quality, noise, water quality and ecology and reported that no project-related exceedance was recorded in the past 6 months. A summary of complaints received since commencement of works was presented.

4.3. Ecological Monitoring

4.3.1 In response to the query from a member about no small juvenile horseshoe crab was observed in December 2021, the ET/E explained that the breeding season of horseshoe crab generally started from May to August. The juvenile horseshoe crab number was expected to be low in December with reference to past three years data.

4.3.2 A member asked if seagrass bed were included in the ecological monitoring. The ET/E advised that seagrass, epifauna and intertidal assemblages were conducted as part of the ecological monitoring. Ecological monitoring data including the seagrass bed data would be provided to the members for reference.

Project Team
(East)

4.4. Water Quality Monitoring

4.4.1 A member enquired if Dissolved Oxygen (DO) measurement was conducted at the reference site to show background water quality. The ET/E provided the details of water monitoring locations including both impact stations and control stations.

4.4.2 In response to the query from a member about hypoxia, the ET/E provided the details of water quality action and limit levels, which was 2 mg/L and 4 mg/L for DO respectively. A member observed that higher DO exceedance rate was recorded in TCE water quality monitoring when compared with EPD water quality monitoring records. The ET/E explained that different sampling location, methodology and frequency would affect the result, as such both water quality records could not be directly compared in such circumstance.

4.5. Noise Monitoring

4.5.1 A member asked if baseline monitoring for the three upcoming noise monitoring stations would be affected by the construction works nearby. The ET/E advised that details of the noise monitoring would be formulated according to contemporary situation.

4.6. Details of Complaints

4.6.1 In response to the query from a member about the increase in the number of air quality complaints from July 2020 to December 2020, the ET/E provided the details of complaints and the respective mitigation measures. The ET/E explained that the situation had improved and the complaint number gradually decreased with the implementation of the mitigation measures.

4.6.2 Noting that the complaint figures included those that were found to be unrelated to the TCE works upon investigation, a member suggested and ET/E agreed making use of the records of the log-book of construction activities in the complaint investigation and subsequent explanation to the public.

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 updated the construction contracts commenced or would commence and the progress of works 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 The Project Consultant (West) briefed members the major construction activities in forthcoming months for these contracts in TCW. They also advised that quarterly project newsletters would be published to disseminate project information and construction progress to the public and stakeholders..

5.2. TCW - Environmental Monitoring and Audit

5.2.1 The ET of TCW (ET/W) updated the Environmental Monitoring and Audit (EM&A) in TCW for TCNTE, including dedicated website under the EP, management organization, major components of EM&A, submissions and mitigation measures under the Environmental Permit (EP).

5.2.2 The ET/W provided a summary of the environmental monitoring results, covering air quality, noise level, stream water quality and ecology, and reported that no project-related exceedance was recorded in the past 6 months except for the exceedances in suspended solids measurement in water quality monitoring as recorded in two occasions. Snapshots of ecological monitoring was also presented.

5.3. Environmental Monitoring

5.3.1 A member enquired about the suspended solid exceedance on 24 December 2021 measured in station WQM1 and if further investigation would be conducted for any water quality exceedance in future. The ET/W responded that investigation would be conducted immediately once water quality exceedance was identified to verify whether the exceedance was associated

with the TCW construction activities. In respect to the exceedance on 24 December 2021, investigation revealed that it was not related to the project as there was no construction work activity on those days. The suspended solids level was back to normal afterward.

- 5.3.2 A member asked if other fauna such as birds and insects (i.e. Odonata) could be measured under ecological monitoring. The ET/W responded that Odonata larvae had been included in the aquatic invertebrate survey, which would indicate whether such organism was being affected by the water quality. As for birds, monitoring of bird species was not required in the EM&A Manual and hence was not conducted during baseline and impact monitoring. ET/W to review and advise in next meeting.

ET/W

5.4. Woodland Compensation

- 5.4.1 A member enquired the commencement date of the woodland compensatory planting, and whether post-planting monitoring would be carried out. The Project Consultant (West) responded that planting works were expected to start from 1 March 2022 to 30 May 2022. Post planting monitoring would be conducted upon completion of the planting works. The status of tree plantation and maintenance would be reported in the next PLG meeting. Another member enquired about the source of the tree seedlings and if sufficient tree seedlings could be provided by local nurseries. The Project Consultant (West) reported that tree seedlings would be provided by the nurseries in Mainland, which had enough spaces to nurture tree seedlings in large quantity. Project Team (West) would introduce the types of trees for plantation in next meeting.

Project Team
(West)

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 -