

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

Notes of 2nd Meeting

Date: 10th June 2019 (Monday)
Time: 09:30 am to 11:00 am
Venue: The Conference Room, 12/F, 1063 King's Road, Quarry Bay, Hong Kong

Members present:

Mr WONG Chi-sing, Janson (Chairman)	Deputy Head (Works) Sustainable Lantau Office (SLO), Civil Engineering and Development Department (CEDD)	
Mr LO Siu-keung (Secretary)	Senior Engineer SLO, CEDD	
Ir Thomas C T CHAN	Environmental Division, HKIE	
Dr Cynthia YAU	Division of Life Science, HKUST	
Dr Simon WONG	Ocean Park Conservation Foundation Hong Kong	
Mr WONG Kwok-fai, Alfred	Chief Engineer SLO, CEDD) Project Team
Mr CHEUNG Kin-tak, Henry	Senior Geotechnical Engineer SLO, CEDD) Project Team
Mr LAI Ho-keung, Stanley	Engineer SLO, CEDD) Project Team
Mr WO King-tai	Marine Conservation Officer SLO, CEDD) Project Team
Mr Jovy TAM	Environmental Team Leader, ERM-Hong Kong, Limited) Environmental Team
Mr Raymond CHOW	Deputy Environmental Team Leader, ERM-Hong Kong, Limited) Environmental Team
Mr Kelvin So	Deputy Environmental Team Leader, ERM-Hong Kong, Limited) Environmental Team
Mr Manuel CHUA	Independent Environmental Checker, Black & Veatch Hong Kong Limited) Independent Environmental Checker

Mr Ivan TING Deputy Independent Environmental) Independent
Checker, Black & Veatch Hong Kong Environmental Checker
Limited

In attendance:

Mr LO Chi-chiu School of Biological Sciences, HKU

Mr DING Yanlu Department of Civil Engineering, HKU

Mr Francis Leong Project Manager,) Project Consultant
AECOM (Asia) Company Limited

Mr Chris HO Senior Project Engineer,) Project Consultant
AECOM (Asia) Company Limited

Mr Frankie FAN Principal Resident Engineer,) Project Consultant
AECOM (Asia) Company Limited

Mr Dennis LEUNG Chief Resident Engineer,) Project Consultant
AECOM (Asia) Company Limited

Mr Chris CHEUNG Senior Resident Engineer,) Project Consultant
AECOM (Asia) Company Limited

Absent with apology:

Prof. Kenneth MY LEUNG School of Biological Sciences, HKU

Prof. Quentin Zhong Qi YUE Department of Civil Engineering, HKU

1 Welcome

Responsible

1.1 The Chairman welcomed and thanked members for attending the second meeting of the PLG.

2 Confirmation of Last Meeting Minutes

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

3 Matters Arising from Last Meeting

3.1 The Environmental Team (ET) reported the follow-up actions taken in respect of the items discussed in the last meeting:

(a) Benchmark for the action and limit levels of ecological monitoring

The ET indicated that given intertidal assemblages varied in wet and dry seasons, a review of full year ecological data would be conducted in 2019-Q3 with a view to setting up the action and limit levels taking into account seasonal fluctuation. The comments on the findings would be sought from the relevant authorities including EPD and AFCD, as well as the members.

ET

The ET expounded the methodology of the intertidal monitoring at Tung Chung Bay and Tai Ho Wan which comprised (1) an active search survey to search for intertidal species (including seagrass and horseshoe crabs) at accessible mudflats of each monitoring location; and (2) quantitative survey to estimate the density of intertidal assemblages at selected tidal levels of each monitoring location. The intertidal monitoring covered the area of low tidal level (1 m above Chart Datum) in accordance with the methodology. As such, there was a limitation on the timing of the intertidal monitoring which had to take into account the predicted tides from the Hong Kong Observatory. A member commented that the ecological survey results might be affected by the weather and suggested to compare the data with other studies and relevant literature to enhance data representativeness.

ET

(b) Monitoring of seagrass beds at San Tau

The ET advised that San Tau Beach (Site of Special Scientific Interest) was located at western side of Tung Chung Bay and far away from the Tung Chung East (TCE) Project site. According to the EIA Report, direct loss of intertidal habitat and adverse water quality impact within San Tau due to construction was not anticipated and thus ecological monitoring at San Tau was not recommended. To address members' concerns, the ET would keep on undertaking site inspections and monitoring water quality regularly.

In consideration of the representativeness of the intertidal monitoring data, a member recommended the monitoring team could compare relevant past data immediately after the survey to see whether it was necessary to conduct further survey to confirm the findings. The ET agreed to consider the recommendation in deriving the event and action plan for the intertidal monitoring.

A member suggested conducting intertidal monitoring at San Tau to provide baseline information for better planning of the future Tung Chung West (TCW) development which was located close to Tung

CEDD

Chung Bay. The CEDD welcomed the suggestion and would consider conducting the monitoring works for TCW Project in due course.

4 Presentation

4.1 Progress of Reclamation Project

The Project Consultant briefed the members on the construction progress of TCE reclamation contract and the works forecast in the next six months. The Project Consultant introduced the procedures of non-dredged reclamation and the method of deep cement mixing works. Moreover, CEDD would continue to issue Project Newsletters quarterly for disseminating first-hand project information to the nearby residents and the public.

4.2 Environmental Monitoring and Audit

The ET reported the environmental monitoring results including air quality, noise, water quality and ecology and their implementation situation. No project-related exceedance was recorded for all parameters. The ET also presented the environmental mitigation measures implemented on-site and additional noise mitigation measures on DCM barges.

4.3 Real-time Tracking and Monitoring System

The ET introduced the real-time tracking and monitoring system for dump trucks adopted in the TCE reclamation contract to prevent illegal dumping and landfilling of construction and demolition materials. In response to a member's enquiry, the ET advised that all 40 dump trucks deployed for the contract were installed with registered GPS.

5 Discussion

5.1 After the presentation, some members raised the following questions and the responses from CEDD/ET/IEC/Project Consultant were summarized below.

a) **The water depth for water quality sampling**

The ET advised that depending on the water depth, there were three water levels for monitoring (e.g. 1m above seabed; middle level; and 1m below water surface, for water depth over 6m).

b) **Non-project related exceedance cases for water quality monitoring**

The ET advised that there were some non-project related exceedance cases for water quality monitoring. The ET investigated every exceedance case carefully by comparing the monitoring data with control stations, reviewing the construction activities as well as the mitigation measures being implemented to determine whether the exceedance was project related or not. So far, all exceedance cases were found to be non-project related.

The majority of exceedance cases related to the dissolved oxygen (DO), particularly in the summer season when water stratification might occur due to difference in water temperature, resulting in poor mixing and low DO at the seabed. Based on the water quality review, other water quality monitoring stations in the North Lantau water also had the same low DO situation. Hence, it was regarded as non-project related. The ET also reported there were a few exceedance cases on suspended solids and turbidity, but the data review demonstrated that they were contributed by seasonal variations.

A member suggested to provide a summary of project related / non-project related exceedance cases against time in the next meeting in order to have a better understanding of the trend.

ET

c) Concern of water quality after reclamation works

A member wondered if the water quality and sedimentation would be affected after the reclamation works due to narrowing down the water channel. Baseline monitoring and aerial photographs would provide useful information to assess the water quality impact during operation phase. A member recommended to conduct post-reclamation water quality monitoring. The ET advised that they would monitor the water quality in the area until the completion of the reclamation works.

d) Eco-shoreline

A member questioned about the current status of the provision of eco-shoreline. The Project Consultant expected that the eco-shoreline would be established after seawall formation and the environmental conditions would be improved. The Project Consultant opined that sedimentation was favourable to the growth of mangrove.

The Project Consultant also reported that the trial of eco-shoreline was under preparation. CEDD suggested that a visit to the eco-shoreline trial site at Siu Ho Wan could be arranged as part of the next PLG meeting (i.e. end 2019).

e) Implementation of silt curtain

A member commented that good implementation of silt curtain in the TCE reclamation contract was observed. The member reminded to conduct silt curtain inspection regularly, especially after adverse weather, to avoid potential leakage of suspended solids due to the damage of silt curtain.

- f) Dolphin observations
The Project Consultant reported that no dolphin had been observed within the site so far. A member concurred with the finding as there was high marine traffic flow near the site at the moment.

- g) Hydrological modelling before construction works
CEDD advised that hydrological modelling was conducted before the commencement of the construction works.

6 AOB

- 6.1 The Chairman proposed to hold the next PLG meeting in TCE site office and to have a visit to the eco-shoreline trial site at Siu Ho Wan.

- 6.2 The Chairman thanked the members for their valuable comments and recommendations in respect of the environmental monitoring and auditing for the TCNTE project. The next meeting would be held in end 2019.

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