First published in the Government *Gazette*, Electronic Edition, on 26 July 2021 at 5 pm.

Environmental Study for Proposed New Tuas Yard Development in Tuas Western Coast

This report constitutes the Environmental Study (ES) of ST Engineering Marine Ltd (STEML)'s proposed new Tuas Yard Development at Tuas Western Coast (TWC). The proposed Tuas shipyard development is to house the relocation of STEML's operations from their existing shipyard and the yard will be used for building and repairing marine vessels. The ES documents the methodology of the marine construction works for the proposed development and provides an assessment of the potential environmental impacts on the sensitive receptors within the impact zone prior to the commencement of marine construction works. As part of this ES, baseline field survey data were collected, alongside hydrodynamic, sediment plume and wave impact modelling simulations were carried out and the findings and potential impact assessments were presented in the report. In addition, this ES presents the proposed suitable measures for the mitigation, monitoring and management options for the yard development.

The ES was carried out between 05 Feb 2020 (baseline survey) to 04 Mar 2021 (final approval from URA).

The main objective of the ES is to predict the level of impacts caused by the shipyard development at TWC and assess the significance of these impacts on the sensitive receptors.

The objectives of the ES are summarised as follows:

- To describe the pre-construction environmental baseline conditions of the study area and the sensitivity of the environmental receptors;
- To identify and analyse predicted physico-chemical, ecological and socio-economic changes arising from the planned works;
- To assess the potential environmental impacts on the sensitive environmental receptors as a result of the proposed development; and
- To recommend mitigation, monitoring, management measures, where possible, to reduce the level of environmental impact.

During the Form A / B process, Technical Agencies including URA, MND, NParks, MPA, SFA and NEA were consulted. In addition, as advised by NEA, the ES was sent to PUB for their comments. Lastly, the ES was sent to URA and MND for clearance.

As part of the ES report, several EMMP monitoring approaches were proposed including:

- Suspended sediment and current data collected real-time from deployed online turbidity and current sensors, with round-the-clock (i.e., 24/7) monitoring capabilities;
- Establishment of a spill budget to control dredging production to acceptable levels and then daily comparison with the realised sediment spill;
- Daily sediment plume hindcast modelling to determine the spatial extent and intensity of the plume generated from the developmental works;

- Monthly marine water quality monitoring (*in situ* measurements and laboratory analysis)
- Seabed level monitoring
- Daily compliance reports, quarterly reports, and post-construction report.

The ES will be available for public feedback by appointment, at 60 Tuas Road, Singapore 638501, from 26 July 2021 to 20 August 2021.

To view the said report, please contact:
Mr. Tan Kok Kong (STEML)
ST Engineering Marine Ltd will consider all relevant public feedback before seeking final approval from the Government. Please contact kktan@stengg.com for information or to give feedback.