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5 October 2018

CLP Power Hong Kong Limited

**Environmental Impact Assessment (EIA) Ordinance, Cap.499
Application for Approval of EIA Report**

**Project Title: Hong Kong Offshore LNG Terminal
(Application No. EIA-256/2018)**

I refer to your above application received on 11 May 2018 for approval of an EIA report under Section 6(2) of the EIA Ordinance and our previous letter of 13 June 2018 advising you to exhibit the EIA report for public inspection in accordance with Section 6(4) of the EIA Ordinance.

Having considered the public comments received during the the public inspection period, and the comments from the Advisory Council on the Environment (ACE) given to us on 11 September 2018, I now advise you under Section 8(3) of the EIA Ordinance that the above EIA report as exhibited under Section 7(1) of the EIA Ordinance is approved subject to the conditions at Annex 1, which may be imposed together with other relevant requirements, where appropriate, as conditions in the Environmental Permit, if granted, for carrying out the Project. In addition, recommendations from the ACE are contained in Annex 2 for your attention and action.

It should be noted that the approval of the EIA report shall not relieve you of the responsibility to comply with other legislation or Government requirements for implementing the Project.

Under Section 15 of the EIA Ordinance, the approved EIA report (Register No. : AEIAR – 218/2018) will be placed on the EIA Ordinance Register. The approved EIA report and the conditions of approval will also be placed on the EIA Ordinance website (<http://www.epd.gov.hk/eia/>).

Should you have any queries on the above application, please contact my colleague Mr Matthew CHAN at 2835 1155.

Yours sincerely,



(Terence S. W. TSANG)
Principal Environmental Protection Officer
for Director of Environmental Protection

Environmental Impact Assessment (EIA) Ordinance, Cap. 499
Application for Approval of EIA Report
Project Title: Hong Kong Offshore LNG Terminal

Reference of the Approved EIA Report in the Register: AEIAR-218/2018

Conditions of Approval under Section 8(3) of the EIA Ordinance

1. The project proponent shall conduct a baseline study on phytoplankton, zooplankton and benthic organisms at both the seawater intake and discharge points of the Floating Storage and Regasification Unit (FSRU). The findings of the baseline study shall be submitted to the Director of Environmental Protection (DEP) for approval before commencement of construction of the Project;
2. The project proponent shall submit a piling installation plan (the Piling Plan) of the jetty, including information relating to the number and diameter of the piles to be installed as well as the installation method, with a view to minimizing potential impacts to the environment. The Piling Plan shall be submitted to the DEP for approval before commencement of construction of the jetty;
3. The project proponent shall conduct a review to ascertain the peak occurrence season of the Finless Porpoise based on the long-term data from the marine mammal monitoring programme of the Agriculture, Fisheries and Conservation Department, with a view to avoiding underwater piling works for jetty construction during the peak occurrence season of the Finless Porpoise. The results of the review shall be submitted to the DEP for approval before commencement of construction of the Project;
4. The project proponent shall propose measures to reduce the potential impacts on avifauna associated with gas discharge via the vent stack for natural gas during emergency. The proposed measures shall be submitted to the DEP for approval;
5. The project proponent shall submit a pipeline construction plan (the Pipelaying Plan) with information on the sequence and schedule of different work fronts for conducting dredging and jetting works associated with laying of gas pipelines under the Project, with a view to minimizing the impacts to marine ecology as far as practicable. The Pipelaying Plan shall be submitted to the DEP for approval before commencement of construction of the Project; and
6. The project proponent shall submit and implement to the satisfaction of the DEP an enhancement plan (the Enhancement Plan) to support the environmental enhancement initiatives to be established for the enhancement of South Lantau marine environment, including marine ecology and conservation, as well as fisheries resources and sustainable development of the fishing industry. The Enhancement Plan shall include information concerning the setting up of an independent management committee consisting of experts, representatives of the fishing industry and other stakeholders to oversee the implementation of the environmental enhancement initiatives in the Enhancement Plan. The Enhancement Plan shall be submitted to the DEP for approval.

- End -

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Environmental Impact Assessment (EIA) Ordinance, Cap. 499

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Recommendations from the Advisory Council on the Environment

1. The project proponent is recommended to review the orientation of the jetty and transit route of the Floating Storage and Regasification Unit (FSRU) under adverse weather conditions and emergency situations, with a view to reducing the extent of encroachment, in terms of frequency, duration and distance, onto the proposed South Lantau Marine Park (SLMP);
2. The project proponent is recommended to explore the alternative seawater intake arrangement such as multiple screens with different mesh sizes, backwashing and cross flow intake design, with a view to preventing and reducing impingement and entrainment of marine organisms and the need and dosage of chlorination to inhibit the growth of organisms within the heat exchange system for regasification process;
3. The project proponent is recommended to specify clearly in tender documents the environmental requirements, including a trial before the commencement of the relevant works, for the dredging and jetting works associated with laying the gas pipelines and related screening criteria for tender evaluation, so as to ensure that contractors for the Project will be able to provide the required professional services and equipment, and implement the measures for meeting the environmental performance as required in the EIA;
4. The project proponent is recommended to enhance the monitoring of Chinese White Dolphins during dredging and jetting works and enlarge the marine mammal exclusion zone for the Project, if possible;
5. The project proponent is recommended to monitor the conditions of phytoplankton, zooplankton and benthic organisms at both the seawater intake and discharge points of the FSRU during the operational phase of the Project and study any synergistic effect of cooled seawater discharge and chlorination on marine ecology;
6. The project proponent is recommended to provide Agriculture, Fisheries and

Conservation Department (AFCD) with relevant ecological monitoring data from this Project to enrich its ecological database in the geographic information system;

7. The project proponent is recommended to explore the possibility of reusing the “waste coolness” from regasification process with reference to overseas studies and experience;
8. The project proponent is recommended to compare the carbon footprint and energy efficiency of the liquefied natural gas (LNG) distribution via LNG carriers and piped gas supply;
9. The project proponent is recommended to enhance the visual elements associated with the Project with a view to reducing the visual impacts generated by the Project;
10. The project proponent is recommended to consider the creation of “artificial reefs” effect at the proposed jetty; and
11. The project proponent is recommended to provide AFCD with necessary space and equipment within the project site for setting up a monitoring system (such as closed-circuit television and automatic identification system) against activities suspected to be non-compliant with the Marine Parks Ordinance within the proposed SLMP.

- End -

Environmental Protection Department

October 2018