
Construction Works Schedule

Hong Kong Offshore LNG Terminal -

Works associated with the double berth jetty at LNG Terminal

Version 1
January 2021



**Hong Kong Offshore LNG Terminal - Works associated with the double berth
jetty at LNG Terminal
Environmental Certification Sheet
FEP-01/558/2018/A**


Reference Document/Plan

Document/ Plan to be Certified/ Verified:	Construction Works Schedule
Date of Report:	7 January 2021
Date received by ET:	7 January 2021
Date received by IEC:	7 January 2021


Reference EP Requirement

EP Condition:	Condition No. 2.7 of FEP-01/558/2018/A
Content:	<i>Construction Works Schedule</i>
<p>The Permit Holder shall, no later than 1 month before the commencement of construction of the Project, deposit with the Director 3 hard copies and 1 electronic copy of a construction works schedule of the Project. The construction works schedule shall include but not limited to a detailed schedule, sequence and programme of the construction works and key environmental mitigation measures for the Project. The Project shall be constructed in accordance with the information as contained in the deposited construction works schedule.</p>	

ET Certification

I hereby certify that the above referenced document/ plan complies with the above referenced condition of FEP-01/558/2018/A.	
Mr Raymond Chow, Environmental Team Leader:	 Date: 7 January 2021

IEC Verification

I hereby verify that the above referenced document/ plan complies with the above referenced condition of FEP-01/558/2018/A.	
Mr Arthur Lo, Independent Environmental Checker:	 Date: 14 January 2021

Schedule of Works associated with the double berth jetty at LNG Terminal							
WORK	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022
Preparation Phase							
Pre-survey	■						
Construction Phase							
Jacket Installation		■			■		
Topsides Construction						■	

Note (Key Environmental Mitigation Measures):

- The key environmental mitigation measures are stipulated in Conditions 3.1 to 3.8 of FEP-01/558/2018/A and are summarized below:
 - No working vessels for construction of the Project shall enter into, transit through, stop over or anchor within the existing marine parks and the Southwest Lantau Marine Park and the proposed South Lantau Marine Park, unless otherwise agreed by the Director of Environmental Protection.
 - Working vessels for construction of the Project shall not be operated at a speed higher than 10 knots when moving within the areas frequented by Chinese White Dolphin or Finless Porpoise, including the waters near Sha Chau and Lung Kwu Chau Marine Park, the waters at the west of Lantau Island and the waters between Soko Islands and Shek Kwu Chau. The working vessels shall be equipped with tracking devices to record their operating speeds and marine travel routes during construction of the Project.
 - No piling works for the construction of the jetty shall be carried out from January to June (both month inclusive).
 - No piling works for construction of the jetty shall be carried out from 1900 hours to 0700 hours of the following day.
 - Piling works shall be ramped up in accordance with the ramp-up piling procedure to avoid abrupt increase in underwater sound level arising from the piling works for construction of the jetty.
 - Maximum use of quieter vibratory and hydraulic hammering methods for pile installation, acoustic decoupling of noise equipment at the working vessels and use of structural jacket and bubble curtain to enclose the pile installation works.
 - Implementation of a 500 m radius marine mammal exclusion zone for piling works. No piling works shall be carried out until the marine mammal exclusion zone is confirmed by an experienced marine mammal observer as clear of marine mammals for 30 minutes continuously.
 - Implementation of waste management measures in accordance with the Waste Management Plan.