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Hong Kong Nuclear Investment Co. Ltd

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## **Hong Kong Nuclear Investment Company Limited Announces a Level 0 Licensing Operational Event at Daya Bay Nuclear Power Station**

The Hong Kong Nuclear Investment Company Limited (HKNIC) today announces that a “Below Scale” (also known as Level 0) Licensing Operational Event (LOE) occurred at Daya Bay Nuclear Power Station (Daya Bay) on 13 April (Friday). Below Scale (Level 0) events under the International Nuclear and Radiological Event Scale (INES) (please refer to the attached diagram) carried no nuclear safety significance and they have no impact on the external environment or public safety.

Initial findings of the event were as follows:

The event was identified during the planned refuelling outage at Unit 1 within its containment building. After the reactor was properly shut down, maintenance work began at the reactor pressure vessel for fuel unloading. A temperature monitor had to be detached before lifting the top cover of the reactor pressure vessel. Work was delayed during the preparation to lift the top cover, which extended the period for which the temperature monitor was temporarily unavailable. However, this is just one of the temperature monitoring devices, while other independent instruments at Unit 1 were available and overall monitoring function was not affected. The event was rectified immediately and outage work was resumed. There has been no radiation impact. The outage work would finish towards the end of May. Further investigation is being conducted to identify possible cause of the event for future prevention and improvement. Meanwhile, Unit 2 of Daya Bay is operating normally.

The event was provisionally classified at “Below Scale” (Level 0) on INES, that is, of no nuclear safety significance. The event did not cause any safety, health and environmental impact to the workers, the surrounding area and the nearby community. The safe operation of Daya Bay was not being affected. Daya Bay Nuclear Power Operations & Management Company, Limited (DNMC), the operator of the Daya Bay units, has already notified National Nuclear Safety Administration about the event.

In line with the new notification mechanism established in 2011, DNMC will publish information on non-emergency LOEs through its website ([www.dnmc.com.cn](http://www.dnmc.com.cn)) within

two working days after an LOE is identified at the power station. HKNIC will, at the same time, upload the summary of the above event to its website ([www.hknuclear.com](http://www.hknuclear.com)) for public information. The objective is to strengthen our communication with the public, and further enhance people's understanding of the operation of nuclear power station.

Hong Kong Nuclear Investment Company Limited (HKNIC)

HKNIC is a wholly owned subsidiary of CLP Holdings Ltd. founded in 1983. It is an investor in the Guangdong Nuclear Power Joint Venture Company Ltd., which owns the Guangdong Daya Bay Nuclear Power Station located in China's Guangdong Province. Daya Bay supplies 70% of its annual output to meet about 25% of the power demand in Hong Kong, contributing to CLP's excellent power services with high supply reliability, outstanding environmental performance and affordable tariffs.

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Attachment:

International Nuclear and Radiological Event Scale (INES) Diagram

