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**Clarifications :  
No irregular radiation observed during Daya Bay Maintenance**

In view of recent reports by individual media about the increased exposure to radiation dosage by Daya Bay workers, Hong Kong Nuclear Investment Company (HKNIC) would like to make the following clarifications :

Daya Bay Power Station (Daya Bay) gives top priority to safety management for radiation protection, and has set a stringent annual limit for the level of radiation dosage received by workers. Apart from close monitoring of the dosage level, the power station also carefully plans and monitors the work schedule of individual workers and conducts health checks to make sure the dosage received by any worker will not exceed the set annual limit of 20 mSv adopted by Daya Bay and that there is no adverse impact to their health. Among other counterparts of the World Association of Nuclear Operators (WANO), the radiation protection performance of Daya Bay is in an advanced level.

All workers undertaking the maintenance programme during the period of 22 October to 28 November completed their tasks entirely within normal plan and under the protection of a stringent safety operation. There was no irregular radiation observed during the period and none of these workers were exposed to radiation that fell outside the power station's safety standards.

During 22 October to 28 November, 2010, Daya Bay Nuclear Power Station (Daya Bay) carried out planned refueling and overhaul activities for unit one generating unit. The relevant work was successfully completed and the unit has already resumed normal operation. The number of workers involved in this planned outage was more

than 1,700. The average radiation dosage received per worker was less than 0.28 mSv, which is around 0.6% of the annual individual dosage limit of 50 mSv set by the national authorities and 1.4% of the even stricter individual dosage limit of 20 mSv per annum adopted by Daya Bay. For comparison, around 2.4 mSv per annum is the typical background radiation from natural sources, including an average of 0.7mSv/yr from natural radon in the air. This is the typical dose received by all humans anywhere on Earth in a year. This can also be higher depending on the geology and altitude where people live – ranging between 1 and 10 mSv/year. Several places are known in India and Europe where natural background radiation gives an annual dose of more than 50 mSv. For more details, please visit the website of the World Nuclear Association (WNA) (<http://www.world-nuclear.org/info/inf05.html>)

The collective dosage level received by workers during this planned outage is on par with ordinary planned outage conducted in past years. During the process, there is no radiation leakage and no adverse impact on the health of workers involved.

The purpose of the planned outage was to replace the used fuel and carry out various preventive maintenance, inspection and equipment upgrading work, which could not be conducted while the generation unit is in operation. This is to ensure safe and reliable operation of equipment and the generating unit. In general, the collective dosage level received by workers will vary with the total number of workers as well as the nature and duration of the work involved, but is closely monitored and is well within international limits. Furthermore, the dosage levels have been published monthly on the website of HKNIC (<https://www.hknuclear.com>) covering Daya Bay performance since 1995.

China Guangdong Nuclear Power Holding Corporation has issued a press statement on the issue yesterday, please refer to the Corporation's website for details (<http://www.cgnpc.com.cn>)

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