

**CONTROLLING OFFICER'S REPLY**

**SB493**

**(Question Serial No. 4528)**

Head: (168) Hong Kong Observatory

Subhead (No. & title): (-) -

Programme: (2) Radiation Monitoring and Assessment

Controlling Officer: Director of the Hong Kong Observatory ( SHUN Chi-ming )

Director of Bureau: Secretary for Security

Question:

The Hong Kong Observatory (HKO) conducted a total of 22 exercises and drills in response to nuclear emergencies in 2018.

1. Please provide details of the 22 exercises and drills in the table below:

Date	Theme of Exercise/Drill	Content of Exercise/Drill	Participating HKSARG Departments	Participating Mainland Authorities	Number of Public Participants	Expenditure Involved

2. In the past 5 years, did the HKSAR Government receive any notifications on nuclear emergencies of the Daya Bay Nuclear Power Plant issued by the Guangdong authorities?

Asked by: Hon FAN Kwok-wai, Gary (LegCo internal reference no.: 72)

Reply:

1. The details of the 22 exercises and drills are listed in the table below:

Date	Theme of Exercise/Drill	Content of Exercise/Drill	Participating HKSAR Departments	Participating Mainland Authorities	Number of Public Participants	Expenditure Involved
Jan 2018	Emergency aerial radiation monitoring	Action exercise on emergency aerial radiation monitoring	Hong Kong Observatory, Government Flying Service	Please see the remark		
Mar 2018	Laboratory radiation measurement	Action exercise on emergency radiation sample measurement at	Hong Kong Observatory	Same as above		

		the King's Park Radiation Laboratory		
Mar 2018	Emergency radiological survey	Action exercise on emergency radiological survey and sample collection	Hong Kong Observatory, Fire Services Department	Same as above
Mar 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above
Jun 2018	Emergency radiological survey	Exercise on emergency radiological survey data transmission	Hong Kong Observatory, Fire Services Department	Same as above
Jun 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory, Fire Services Department	Same as above
Jun 2018	Laboratory radiation measurement	Action exercise on emergency radiation sample measurement at the King's Park Radiation Laboratory	Hong Kong Observatory	Same as above
Jun 2018	Emergency radiological survey	Action exercise on emergency radiological survey and sample collection	Hong Kong Observatory	Same as above
June 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above
Sep 2018	Laboratory radiation measurement	Action exercise on emergency radiation sample measurement at the King's Park Radiation Laboratory	Hong Kong Observatory	Same as above
Sep	Emergency	Action exercise	Hong Kong	Same as above

2018	radiological survey	on emergency radiological survey and sample collection	Observatory, Fire Services Department	
Sep 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above
Oct 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above
Nov 2018	Emergency radiological survey	Action exercise on emergency radiological survey and sample collection	Hong Kong Observatory, Civil Aid Service	Same as above
Nov 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above
Nov 2018	Emergency radiological survey	Action exercise on emergency radiological survey and sample collection	Hong Kong Observatory, Fire Services Department	Same as above
Dec 2018	Laboratory radiation measurement	Action exercise on emergency radiation sample measurement at the King's Park Radiation Laboratory	Hong Kong Observatory	Same as above
Dec 2018	Daya Bay Contingency Plan	Action exercise regarding inter-departmental coordination on emergency radiological survey and sample collection	Hong Kong Observatory, Fire Services Department, Civil Aid Service	Same as above
Dec 2018	Daya Bay Contingency	Tabletop exercise on near-range	Hong Kong Observatory	Same as above

	Plan	nuclear accident consequence assessment		
Dec 2018	Daya Bay Contingency Plan	Tabletop exercise on long distance nuclear accident consequence assessment	Hong Kong Observatory	Same as above
Dec 2018	Laboratory radiation measurement	Action exercise on emergency radiation sample measurement at the King's Park Radiation Laboratory	Hong Kong Observatory	Same as above
Dec 2018	Daya Bay Contingency Plan	Tabletop exercise on emergency operations of the Monitoring and Assessment Centre	Hong Kong Observatory	Same as above

Remark: The exercises only involved departments from the HKSAR Government. No Mainland authority or member of the public participated in these exercises. HKO utilized its existing resources to carry out the exercises and drills. No additional expenditure was involved.

2. In the past 5 years, no nuclear accident<sup>1</sup> occurred at the Daya Bay nuclear power stations. Notwithstanding this, HKO regularly conducts monthly communication test with the Nuclear Emergency Committee Office of Guangdong Province on notification of nuclear accidents.

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<sup>1</sup> Nuclear accident in general refers to nuclear event with severity reaching Level 4 (i.e. accident with local consequences) or above in the International Nuclear and Radiological Event Scale (INES).