Primary Containment Vessel of Unit 2 of Fukushima Daiichi Nuclear Power Station
Gas Sampling Result by the Gas Control System

February 14, 2012
Tokyo Electric Power Company

【Sampling place】 Inlet of the gas control system in PCV of Unit 2

【Sampling time and date】11:12, February 13, 2012 (Mon)

【Result】

Nuclides		Density of radioactive materials (Bq/cm^3)	Detection limits (Bq/cm^3)	Half-life
Gas vial container	I-131	Below detection limit	1.3×10^{-1}	About 8 days
	Cs-134	Below detection limit	3.1×10^{-1}	About 2 years
	Cs-137	4.3×10^{-1}	3.7×10^{-1}	About 30 years
	Kr-85	Below detection limit	2.6×10^{1}	About 11 years
	Xe-131m	Below detection limit	2.9×10^{0}	About 12 days
	Xe-133	Below detection limit	2.6×10^{-1}	About 5 days
	Xe-135	Below detection limit*	9.9×10^{-2}	About 9 hours

Each of short half-life Xe was below detection limit.
* Below the criterion to judge criticality, 1 Bq/cm^3 (Xe-135)

Primary Containment Vessel of Unit 2 of Fukushima Daiichi Nuclear Power Station
Gas Sampling Result by the Gas Control System

February 14, 2012
Tokyo Electric Power Company

【Sampling place】 Inlet of the gas control system in PCV of Unit 2

【Sampling time and date】17:10, February 13, 2012 (Mon)

【Result】

Nuclides		Density of radioactive materials (Bq/cm^3)	Detection limits (Bq/cm^3)	Half-life
Gas vial container	I-131	Below detection limit	1.5×10^{-1}	About 8 days
	Cs-134	Below detection limit	3.3×10^{-1}	About 2 years
	Cs-137	4.7×10^{-1}	3.7×10^{-1}	About 30 years
	Kr-85	Below detection limit	2.7×10^{1}	About 11 years
	Xe-131m	Below detection limit	3.4×10^{0}	About 12 days
	Xe-133	Below detection limit	2.4×10^{-1}	About 5 days
	Xe-135	Below detection limit*	1.0×10^{-1}	About 9 hours

Each of short half-life Xe was below detection limit.
* Below the criterion to judge criticality, 1 Bq/cm^3 (Xe-135)