

## Primary Containment Vessel of Unit 1 of Fukushima Daiichi Nuclear Power Station Sampling Result of the Gas Control System

January 5, 2012

Tokyo Electric Power Company

[Sampling place] Intake of gas control system of Primary Containment Vessel of Unit 1

[Sampling time & date] January 4, 2012 (Wed) 14:13

[Measurement result]

Nuclides		Density of sample (Bq/cm <sup>3</sup> )	Detection limits (Bq/cm <sup>3</sup> )	Half-life
Gas vial container	I-131	Below measurable limit	1.5*10 <sup>-1</sup>	About 8 days
	Cs-134	1.1*10 <sup>0</sup>	3.6*10 <sup>-1</sup>	About 2 years
	Cs-137	1.3*10 <sup>0</sup>	4.1*10 <sup>-1</sup>	About 30 years
	Kr-85	Below measurable limit	3.2*10 <sup>1</sup>	About 11 years
	Xe-131m	Below measurable limit	3.7*10 <sup>0</sup>	About 12 days
	Xe-133	Below measurable limit	2.9*10 <sup>-1</sup>	About 5 days
	Xe-135	Below measurable limit	1.1*10 <sup>-1</sup>	About 9 hours

Note: Both of short-half-life Xe are below measurable limit.

In order to confirm the sub-critical condition, we monitor the density of Xe-135 in emission gas using radiation detector installed in the Gas Control System (Safety Regulation).