

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

January 19, 2012

Tokyo Electric Power Company

[Sampling place] Intake of gas control system of Primary Containment Vessel of Unit 2

[Sampling time & date] January 18, 2012 (Wed) 11:43

[Measurement result]

Nuclides		Density of sample (Bq/cm ³)	Detection limits (Bq/cm ³)	Half-life
Gas vial container	I-131	Below measurable limit	1.5*10 ⁻¹	About 8 days
	Cs-134	6.0*10 ⁻¹	3.3*10 ⁻¹	About 2 years
	Cs-137	7.1*10 ⁻¹	3.8*10 ⁻¹	About 30 years
	Kr-85	4.1*10 ¹	2.9*10 ¹	About 11 years
	Xe-131m	Below measurable limit	3.6*10 ⁰	About 12 days
	Xe-133	Below measurable limit	2.7*10 ⁻¹	About 5 days
	Xe-135	Below measurable limit	1.1*10 ⁻¹	About 9 hours

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

Not exceeding 1 Bq/cm³ (Xe-135) of recriticality criteria

[reference] About PCV of Unit 1, as a measurement result of radiation detector in the gas control system, we confirmed that Xenon 135 in exhaust gas from PCV was below detection limit

(On January 18 2012 , Measurement result of Xenon 135 : (1.8 ~ 2.9) × 10⁻³ Bq/cm³)