

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

February 23, 2012
Tokyo Electric Power Company

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

【Sampling time and date】 11:02 am, February 22, 2012 (Wed)

【Result】

Nuclides		Density of radioactive materials (Bq/cm ³)	Detection limits (Bq/cm ³)	Half-life
Gas vial container	I-131	Below detection limit	1.1×10^{-1}	About 8 days
	Cs-134	Below detection limit	3.0×10^{-1}	About 2 years
	Cs-137	Below detection limit	3.7×10^{-1}	About 30 years
	Kr-85	Below detection limit	2.7×10^1	About 11 years
	Xe-131m	Below detection limit	3.0×10^0	About 12 days
	Xe-133	Below detection limit	2.2×10^{-1}	About 5 days
	Xe-135	Below detection limit*	1.1×10^{-1}	About 9 hours

Each of short half-life Xe was below detection limit.

* Below the criterion to judge criticality, 1 Bq/cm³ (Xe-135)

【Reference】 In regard to judgment of subcriticality of Unit 1, we confirmed that the density of Xe-135 radioactivity did not exceed the criteria of recriticality, which is 1Bq/cm³, using the radiation dose detector placed in the gas management system. (February 22 measured value of Xe-135 : $(1.7 - 2.7) \times 10^{-3}$ Bq/cm³)