

**Gas Sampling Results of the Unit 1 PCV Gas Control System  
Conducted at Fukushima Daiichi Nuclear Power Station**

March 9, 2012  
Tokyo Electric Power Company

【Sampling place】 Inlet of Unit 1 PCV Gas Control System

【Sampling time and date】 12:41 pm, March 8, 2012 (Thur)

【Result】

Nuclides		Density of radioactive materials (Bq/cm <sup>3</sup> )	Detection limits (Bq/cm <sup>3</sup> )	Half-life
Gas vial container	I-131	Below detection limit	$1.3 \times 10^{-1}$	About 8 days
	Cs-134	$3.5 \times 10^{-1}$	$3.0 \times 10^{-1}$	About 2 years
	Cs-137	$5.5 \times 10^{-1}$	$3.6 \times 10^{-1}$	About 30 years
	Kr-85	Below detection limit	$2.5 \times 10^1$	About 11 years
	Xe-131m	Below detection limit	$2.9 \times 10^0$	About 12 days
	Xe-133	Below detection limit	$2.4 \times 10^{-1}$	About 5 days
	Xe-135	Below detection limit	$1.1 \times 10^{-1}$	About 9 hours

(Reference) Each of short half-life Xe isotope were below detection limit.

In regard to judgment of subcriticality of Unit 1, we are continuing density monitoring of Xe-135 in the exhaust gas with direct measurement by the radiation dose detector placed in the gas control system (safety regulation ).