

**Gas Sampling Results of the Unit 2 PCV Gas Control System**  
**Conducted at Fukushima Daiichi Nuclear Power Station**

May 3, 2012

Tokyo Electric Power Company

【Sampling place】 Inlet of Unit 2 PCV Gas Control System

【Sampling date】 10:40 AM, May 2, 2012 (Wed)

【Sampling results】

Nuclides		Radioactive Concentration ( Bq/cm <sup>3</sup> )	Detection Limit ( Bq/cm <sup>3</sup> )	Half-Life Period
Gas Vial Container	I-131	Below Detection Limit	$1.2 \times 10^{-1}$	About 8 Days
	Cs-134	Below Detection Limit	$3.0 \times 10^{-1}$	About 2 Years
	Cs-137	$6.4 \times 10^{-1}$	$3.6 \times 10^{-1}$	About 30 Years
	Kr-85	$1.3 \times 10^2$	$2.5 \times 10^1$	About 11 Years
	Xe-131m	Below Detection Limit	$2.9 \times 10^0$	About 12 Days
	Xe-133	Below Detection Limit	$2.8 \times 10^{-1}$	About 5 Days
	Xe-135	Below Detection Limit	$1.0 \times 10^{-1}$	About 9 Hours

Each of short half-life Xe isotopes were below detection limit.  
 Not exceeding the re-criticality criteria of 1Bq/cm<sup>3</sup> ( Xe-135 )