

## Sampling Result at Unit 2 PCV Gas Control System of Fukushima Daiichi Nuclear Power Station

Sampling location: The entrance of Unit 2 PCV gas control system

Sampling time and date: 9:52 AM on June 20, 2012 (Wednesday)

### Result

Nuclide		Concentration of Radioactive Material (Bq/cm <sup>3</sup> )	Detection Limit (Bq/cm <sup>3</sup> )	Half Life (Approx.)
Gas vial container	I-131	Below the detection limit	$1.2 \times 10^{-1}$	8 days
	Cs-134	$3.6 \times 10^{-1}$	$2.6 \times 10^{-1}$	2 years
	Cs-137	$5.5 \times 10^{-1}$	$3.2 \times 10^{-1}$	30 years
	Kr-85	$1.9 \times 10^2$	$2.9 \times 10^1$	11 years
	Xe-131m	Below the detection limit	$3.0 \times 10^0$	12 days
	Xe-133	Below the detection limit	$2.7 \times 10^{-1}$	5 days
	Xe-135	Below the detection limit*	$9.6 \times 10^{-2}$	9 hours

The results of short half-life Xe were all below the detection limit.

\* Below the re-criticality criteria of 1Bq/cm<sup>3</sup> (Xe-135)