

**Nuclide Analysis Results of Radioactive Materials in the Air at Gas Management System in Primary Containment Vessel of Unit 2 of Fukushima Daiichi Nuclear Power Station**

November 23, 2011  
Tokyo Electric Power Company

【Sampling Place】 Inlet of Gas Management System in Primary Containment Vessel of Unit 2

【Sampline Date】 At 13:11 in November 22, 2011

【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	ND	$1.4 \times 10^{-1}$	Approx. 8 days
	Cs-134	ND	$3.3 \times 10^{-1}$	Approx. 2 years
	Cs-137	$5.0 \times 10^{-1}$	$3.7 \times 10^{-1}$	Approx. 30 years
	Kr-85	$4.4 \times 10^1$	$2.6 \times 10^1$	Approx. 11 years
	Xe-131m	ND	$3.9 \times 10^0$	Approx. 12 days
	Xe-133	ND	$2.5 \times 10^{-1}$	Approx. 5days
	Xe-135	ND	$1.1 \times 10^{-1}$	Approx. 9 hours

Results of all the Xe whose half-lives are short are ND

It does not exceed the determination criteria for recriticality set at 1Bq/cm<sup>3</sup> ( Xe-135 )

**Nuclide Analysis Results of Radioactive Materials in the Air at Gas Management System in Primary Containment Vessel of Unit 2 of Fukushima Daiichi Nuclear Power Station**

November 23, 2011  
Tokyo Electric Power Company

【Sampling Place】 Exit of Gas Management System in Primary Containment Vessel of Unit 2

【Sampline Date】 At 12:21 in November 22, 2011

【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	ND	$1.3 \times 10^{-1}$	Approx. 8 days
	Cs-134	ND	$3.3 \times 10^{-1}$	Approx. 2 years
	Cs-137	ND	$3.7 \times 10^{-1}$	Approx. 30 years
	Kr-85	ND	$2.8 \times 10^1$	Approx. 11 years
	Xe-131m	ND	$3.7 \times 10^0$	Approx. 12 days
	Xe-133	ND	$2.3 \times 10^{-1}$	Approx. 5days
	Xe-135	ND	$1.1 \times 10^{-1}$	Approx. 9 hours