April 8th, 2011
Tokyo Electric Power Company

The result of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station

The result of the nuclide analysis of radioactive materials in the air at the site of Fukushima Daiichi Nuclear Power Station is as follows.

Reference

1. Conditions of collection and measurement

(Data collected on April 8th)

Collection of sample	Place	Fukushima Daiichi: west gate		
	Date	4/7 2:00～2:20		
	Manner of Collection	Collecting dust by monitoring cars		
	Wind direction & speed	WSW 0.6m/s (as of 2:00)		
Measurement of sample	Date	4/7 12:28～		
	Measuring method	Brought the sample to Fukushima Daini Nuclear Power Station and analyzed it by the nuclide analysis device of Germanium semi-conductor type		
	Measuring time	Volatile: 1,000s Particulate: 2,000s		

2. Result

	Nuclide	①Radioactivity density (Bq/cm3)	②Detection limit density (Bq/cm3)	Ratio to density limit in the air (①／②)	③Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm3) ※
Volatile characteristics	I-131	7.8E-04	6.1E-06	0.78	1E-03
	Cs-134	7.5E-06	5.1E-06	0.00	2E-03
	Cs-137	ND	-	-	3E-03
Particulate characteristics	I-131	1.7E-04	2.8E-06	0.17	1E-03
	Cs-134	1.5E-04	2.9E-06	0.08	2E-03
	Cs-137	1.5E-04	2.6E-06	0.05	3E-03

※ Statutory density limit to the 3-month average density of radioactive nuclides contained in the air that humans breathe
※ ○.○E－○ means ○.○ x 10－○
※ Data of other nuclides are under examination.