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October 14, 2011
Tokyo Electric Power Company

Reference

Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Ractor Building of Unit 2, Fukushima Daiichi

(Data summarized on October 14)

Place of Sampling	Upper part of reactor building of Unit 2 ① (western central part of blow-out pannel)		Upper part of reactor building of Unit 2 ② (northern central part of blow-out pannel)		Upper part of reactor building of Unit 2 ③ (lower part of blow-out pannel)		②Density limit by the announcement of Reactor Regulation (Bq/cm3) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	2011/10/13 10:00～12:00		2011/10/13 10:00～12:00		2011/10/13 10:00～12:00		
Detected Nuclides (Half-life)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	①density of sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.2E-04	0.06	6.9E-05	0.03	3.4E-05	0.02	2E-03
Cs-137 (about 30 years)	1.7E-04	0.06	9.3E-05	0.03	2.6E-05	0.01	3E-03

* The value of radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density.

O.OE－O means O.O x 10-O

Data of other nuclides are under examination.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below measurable limit.

Detection limits of 3 nuclides are as follows:

Volatile: I-131: approx. 4E-6Bq/cm3, Cs-137: approx. 8E-6Bq/cm3 Particulate: I-131: approx. 2E-6Bq/cm3

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.