

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

reference

Sampled date Feb.14

Place of Sampling	Upper part of reactor building of Unit 2 (central western side of blow-out panel)	Upper part of reactor building of Unit 2 (central northern side of blow-out panel)					Density limit by the announcement of Reactor Regulation (Bq/cm ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
Time of Sampling	February 13, 2012 11:45-13:45	February 13, 2012 Not sampled					
Detected Nuclides (Half-life)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	/	/	1E-03
Cs-134 (about 2 years)	ND	-	ND	-	/	/	2E-03
Cs-137 (about 30 years)	6.0E-06	0.00	ND	-	/	/	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.

Due to trouble of the device, parts of data is not sampled

* 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.

The followings show the detection limits.

Volatile: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 7E-6Bq/cm³, Cs-137: approx. 8E-6Bq/cm³

Particulate: I-131: approx. 2E-6Bq/cm³, Cs-134: approx. 4E-6Bq/cm³,

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