

Results of Nuclide Analysis of Radioactive Materials in the Air at Upper part of Fukushima Daiichi Unit3 Reactor Building

(Data summarized on October 7)

Place of Sampling	Upper part of Unit3 Reactor Building (West side of upper part of the Reactor (vertical))		Upper part of Unit3 Reactor Building (West side of upper part of the Reactor (horizontal))		Upper part of Unit3 Reactor Building (North side of upper part of the Reactor (Vertical))		Upper part of Unit3 Reactor Building (North side of upper part of the reactor (horizontal))		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	2011/10/6 14:13 ~ 14:43		No data due to device defect		2011/10/6 15:17 ~ 15:47		2011/10/6 15:17 ~ 15:47	
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 (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	-	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	9.2E-04	0.46	-	-	1.0E-04	0.05	7.2E-05	0.04	2E-03
Cs-137 (about 30 years)	1.1E-03	0.37	-	-	1.1E-04	0.04	7.8E-05	0.03	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.

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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.

The followings show the detection limits.

Volatile: I-131: approx. 1E-5Bq/cm³, Cs-137: approx. 3E-5Bq/cm³

Particulate: I-131: approx. 1E-5Bq/cm³

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