

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Reactor Building of Unit 2, Fukushima Daiichi < 1/2 >

Reference

(Data summarized on March 9)

Place of Sampling	Upper part of reactor building of Unit 2 (central western side of blow-out pannel)		Upper part of reactor building of Unit 2 (central northern side of blow-out pannel)		Upper part of reactor building of Unit 2 (central northan side of blow-out pannel)		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	07-Mar-12 8:45 ~ 10:45		07-Mar-12 8:45 ~ 10:45		07-Mar-12 11:00 ~ 13:00		
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	-	ND	-	1E-03
Cs-134 (about 2 years)	1.3E-05	0.01	1.1E-05	0.01	1.4E-05	0.01	2E-03
Cs-137 (about 30 years)	1.8E-05	0.01	1.2E-05	0.00	1.9E-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.

The followings show the detection limits.

Volatile: I-131: approx. 5E-6Bq/cm³, Cs-134: approx. 7E-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.

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

Reference

(Data summarized on March 9)

Place of Sampling	Upper part of reactor building of Unit 2 (central northern side of blow-out pannel)						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	7-Mar-12 11:00 ~ 13:00						
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	-	/	/	/	/	1E-03
Cs-134 (about 2 years)	2.5E-05	0.01	/	/	/	/	2E-03
Cs-137 (about 30 years)	3.1E-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.

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

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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

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