

## Nuclide Analysis Results of Radioactive Materials in the Air at the Upper Part of the Reactor Building of Unit 3, Fukushima Daiichi < 1/2 >

Reference

(Data summarized on November 11)

Place of Sampling	Upper part of reactor building of Unit 3 (northwest side in upper part of reactor (downward))	Upper part of reactor building of Unit 3 (northwest side in upper part of reactor (sideways))	Upper part of reactor building of Unit 3 (north side in upper part of reactor (downward))	Upper part of reactor building of Unit 3 (north side in upper part of reactor (sideways))	Density limit by the announcement of Reactor Regulation ( Bq/cm <sup>3</sup> ) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)				
Time of Sampling	Nov. 09, 2011 from 9:22 am to 9:52 am	Nov. 09, 2011 from 9:22 am to 9:52 am	Nov. 09, 2011 from 10:25 am to 10:55 am	Nov. 09, 2011 from 10:25 am to 10:55 am					
Detected Nuclides (Half-life)	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )		density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	density of sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	5.0E-04	0.25	7.4E-04	0.37	2.1E-03	1.1	8.5E-04	0.43	2E-03
Cs-137 (about 30 years)	6.0E-04	0.20	8.9E-04	0.30	2.6E-03	0.87	1.1E-03	0.37	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. 1E-5Bq/cm<sup>3</sup> Particulate: I-131: approx. 1E-5Bq/cm<sup>3</sup>

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 3, Fukushima Daiichi < 2/2 >

Reference

(Data summarized on November 11)

Place of Sampling	Upper part of reactor building of Unit 3 (northeast side in upper part of reactor (downward))		Upper part of reactor building of Unit 3 (northeast side in upper part of reactor (sideways))		Upper part of reactor building of Unit 3 (around machine hatch opening 3rd floor )		Density 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	Nov. 09, 2011 from 11:25 am to 11:55 am	Nov. 09, 2011 from 11:25 am to 11:55 am	Nov. 09, 2011 from 12:25 am to 12:55 am	Density of sample ( Bq/cm3)	Scaling Factor ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	7.5E-04	0.38	2.1E-03	1.1	1.9E-04	0.10	2E-03
Cs-137 (about 30 years)	9.8E-04	0.33	2.6E-03	0.87	2.3E-04	0.08	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. 1E-5Bq/cm3 Particulate: I-131: approx. 2E-5Bq/cm3  
Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.