

Nuclide Analysis Results of Radioactive Materials in the Air at the upside of  
reactor building of Unit 2 in Fukushima Daiichi Nuclear Power Stations

Reference
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(Data summarized on November 2)

Place of Sampling	At the upside of reactor building of Unit 2 (west side of blow-out panel )		At the upside of reactor building of Unit 2 (north side of blow-out panel )		At the upside of reactor building of Unit 2 ( lower part of blow-out panel )		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	2011/11/ 1 11:23 ~ 13:23		2011/11/ 1 11:23 ~ 13:23		2011/11/ 1 11:23 ~ 13:23		
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 ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.5E-05	0.01	1.8E-05	0.01	8.4E-06	0.00	2E-03
Cs-137 (about 30 years)	1.7E-05	0.01	1.9E-05	0.01	7.3E-06	0.00	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. 3E-6Bq/cm<sup>3</sup>, Cs-134: approx. 7E-6Bq/cm<sup>3</sup>, Cs-137: approx. 9E-6Bq/cm<sup>3</sup>

Particulate: I-131: approx. 2E-6Bq/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.