

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

(Data summarized on October 27)

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	N/A due to equipment defect		2011/10/25 10:31 ~ 12:31		2011/10/25 10:31 ~ 12:31	
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	-	1E-03
Cs-134 (about 2 years)	-	-	1.8E-05	0.01	2.0E-05	0.01	2E-03
Cs-137 (about 30 years)	-	-	2.2E-05	0.01	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.

Detection limits of major 3 nuclides are as follows:

Volatile: I-131: approx. 3E-6Bq/cm<sup>3</sup>, Cs-134: approx. 8E-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.