

Reference

## Nuclide Analysis Results of Radioactive Materials in the Air at the upside of reactor building of Unit 1 in Fukushima Daiichi Nuclear Power Stations

(Data summarized on October 13)

Place of Sampling	At the upside of reactor building of Unit 1 (On the four floor at the openings of hatch)		At the upside of reactor building of Unit 1 (at the carrying gate of the reactor building)				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	2011/10/12 14:17 ~ 15:17		2011/10/12 14:17 ~ 15:17				
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)	1.2E-04	0.06	1.2E-05	0.01	/	/	2E-03
Cs-137 (about 30 years)	1.4E-04	0.05	3.3E-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 3 nuclides are as follows:

Volatile: I-131: approx. 7E-6Bq/cm<sup>3</sup>, Cs-134: approx. 2E-5Bq/cm<sup>3</sup>, Particulate: I-131: approx. 4E-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.