

Reference

Nuclide Analysis Results of Radioactive Materials in the Air  
at the Upper Part of the Ractor Building of Unit 1, Fukushima Daiichi

(Data summarized on September 12)

Place of Sampling	Upper part of reactor buildin of Unit 1 (West side in upper part of reactor)		Upper part of reactor buildin of Unit 1 (East side in upper part of reactor)		Upper part of reactor buildin of Unit 1 (South side in upper part of reactor)		Upper part of reactor buildin of Unit 1 (North side in upper part of reactor)		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	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> )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	2.8E-05	0.01	8.1E-05	0.04	8.9E-05	0.04	1.5E-04	0.08	2E-03
Cs-137 (about 30 years)	4.1E-05	0.01	1.0E-04	0.03	1.1E-04	0.04	2.0E-04	0.07	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.

\* In this analysis, "ND" means that the results fall bellow detection limits.

Detection limits of nuclides are as follows;

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

Particulate: I-131: approx. 3E-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.