

Reference

Nuclide Analysis Results of Radioactive Materials in the Air
at the Upper Part of the Ractor Building of Unit 3, Fukushima Daiichi

(Data summarized on September 13)

Place of Sampling	Upper part of reactor building of Unit 3 (West side in upper part of reactor)		Upper part of reactor building of Unit 3 (North side in upper part of reactor)						Density limit by the announcement of Reactor Regulation (Bq/cm ³) (Density limit in the air to which radiation workers breathe in the section 4 of the appendix 2)
	Time of Sampling	8:05-8:35 September 12, 2011	9:05-9:35 September 12, 2011						
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-					1E-03
Cs-134 (about 2 years)	1.9E-04	0.10	6.4E-05	0.03					2E-03
Cs-137 (about 30 years)	2.2E-04	0.07	7.6E-05	0.03					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. 2E-6Bq/cm³, Cs-134: approx. 5E-6Bq/cm³, and Cs-137: approx. 5E-6Bq/cm³

Particulate: I-131: approx. 3E-6Bq/cm³

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.