

Reference

Nuclide Analysis Results of Radioactive Materials in the Air at the upside of reactor building of Unit 3 in Fukushima Daiichi Nuclear Power Stations

(Data summarized on October 13)

Place of Sampling	At the upside of reactor building of Unit 3 (On the west side of the upside of the reactor,downward direction)		At the upside of reactor building of Unit 3 (On the west side of the upside of the reactor,cross direction)		At the upside of reactor building of Unit 3 (On the west side of the upside of the reactor,downward direction)		At the upside of reactor building of Unit 3 (On the west side of the upside of the reactor,cross direction)		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	2011/10/11 13:45 ~ 14:15		2011/10/11 13:45 ~ 14:15		2011/10/11 14:47 ~ 15:17		2011/10/11 14:47 ~ 15:17		
Detected Nuclides (Half-life)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	density of sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	1.3E-03	0.65	6.1E-03	3.1	1.6E-04	0.08	4.1E-04	0.21	2E-03
Cs-137 (about 30 years)	1.5E-03	0.50	7.3E-03	2.4	2.0E-04	0.07	4.7E-04	0.16	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.

The followings show the detection limits;

Volatile: I-131: approx. 1E-5Bq/cm³, Particulate: I-131: approx. 2E-5Bq/cm³

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