

Reference

Nuclide Analysis Results of Radioactive Materials in the Air above reactor building of Unit 1 at the Sites of Fukushima Nuclear Power Stations

(Data summarized on October 4)

Place of Sampling	Unit 1 Above reactor building of Unit 1 (West of above reactor building)		Unit 1 Above reactor building of Unit 1 (East of above reactor building)		Unit 1 Above reactor building of Unit 1 (above machine hatch)		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	2011/10/3 8:55 ~ 9:25	2011/10/3 9:40 ~ 10:10	2011/10/3 11:05 ~ 12:05			
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 (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (about 2 years)	2.2E-04	0.11	4.3E-04	0.22	6.7E-05	0.03	2E-03
Cs-137 (about 30 years)	2.9E-04	0.10	5.6E-04	0.19	7.8E-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.

* "ND" means the sampled data is below measurable limit.

The followings show the detection limits.

Volatile: I-131: approx. 6E-6Bq/cm³,

Cs-134: approx. 2E-5Bq/cm³,

Cs-137: approx. 2E-5Bq/cm³

Particulate: I-131: approx. 4E-6Bq/cm³

As detection limit depends on the detector and condition of the sample, the value may be detected below the limit.