

Nuclide analysis results of radioactive materials in the air at the rooftop of Reactor Building
Fukushima Daiichi Nuclear Power Station <1/2>

(Data summarized on December 7)

Place of Sampling	Rooftop of R/B, Unit 3 (R/B top north-east (lower))		Rooftop of R/B, Unit 3 (R/B top north-east (lateral))		Rooftop of R/B, Unit 3 (R/B top north-east (lower))		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	12/5/2011 10:35am-11:05am	12/5/2011 10:35am-11:05am	12/5/2011 10:35am-11:05am	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)		
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)	1.4E-03	0.70	5.4E-02	27	3.8E-04	0.19	2E-03
Cs-137 (about 30 years)	1.7E-03	0.57	6.6E-02	22	4.9E-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. 3E-5Bq/cm³ Particulate: I-131: approx. 9E-5Bq/cm³

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

Nuclide analysis results of radioactive materials in the air at the rooftop of Reactor Building
Fukushima Daiichi Nuclear Power Station <2/2>

(Data summarized on December 7)

Place of Sampling	Rooftop of R/B, Unit 3 (R/B top north-east (lateral))						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	12/5/2011 10:35am-11:05am					
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	-					1E-03
Cs-134 (about 2 years)	2.7E-04	0.14					2E-03
Cs-137 (about 30 years)	3.5E-04	0.12					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.

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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. 7E-6Bq/cm³

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

December 7, 2011
Tokyo Electric Power Company

Nuclide analysis results of radioactive materials in the air at the rooftop of Reactor Building Fukushima Daiichi Nuclear Power Station

(Data summarized on December 7)

Place of Sampling	Rooftop of R/B, Unit 2 (Center-west of blowout panel)		Rooftop of R/B, Unit 2 (Center-north of blowout panel)		Rooftop of R/B, Unit 2 (Bottom of blowout panel)		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	12/6/2011 8:25am-10:25am	12/6/2011 8:25am-10:25am	12/6/2011 No data due to equipment trouble	Density of sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	-	-	1E-03
Cs-134 (about 2 years)	5.4E-06	0.00	ND	-	-	-	2E-03
Cs-137 (about 30 years)	8.2E-06	0.00	ND	-	-	-	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. 3E-6Bq/cm³, Cs-134: approx. 8E-6Bq/cm³, Cs-137: approx. 9E-6Bq/cm³

Particulate: I-131: approx. 2E-6Bq/cm³, Cs-134: approx. 5E-6Bq/cm³, Cs-137: approx. 5E-6Bq/cm³

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