

Nuclide Analysis Results of Radioactive Materials in the Air
at the Sites of Fukushima Nuclear Power Stations

Reference

(Data Summarized on July 28)

Place of sampling	Fukushima Daiichi Partner's company building (additional measurement during nitrogen gas injection)	West Gate of Fukushima Daiichi	MP-1 of Fukushima Daini (Reference)		MP-1 of Fukushima Daini (Reference)		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) 2
Date and time of sampling	7/27/2011 9:30-9:50	7/27/2011 11:30-12:10	7/27/2011 9:35-9:45				
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm ³)	Scaling factor (/)	Radioactivity density 1 (Bq/cm ³)	Scaling factor (/)	Radioactivity density 1 (Bq/cm ³)	Scaling factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-	ND	-	1E-03
Cs-134 (approx. 2 years)	ND	-	4.1E-06	0.00	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	4.0E-06	0.00	ND	-	3E-03

1 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.

2 In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

3 In this analysis, "ND" means that the results fall below detection limits.

(Volatile: I-131: approx. 3E-6Bq/cm³, Cs-134: approx. 9E-6Bq/cm³, and Cs-137: approx. 1E-5Bq/cm³)

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