

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

Reference

(Data Summarized on July 25)

Place of sampling	MP-8 of Fukushima Daiichi (Additional monitoring at the time of nitrogen injection)	West Gate of Fukushima Daiichi	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	2011/07/24 9:30 am ~ 9:50 am	2011/07/24 11:30 am ~ 11:50 am	2011/07/24 10:38 am ~ 10:48 am				
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	-	ND	-	ND	-	2E-03
Cs-137 (approx. 30 years)	ND	-	ND	-	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 the measurable threshold.

(Volatile: I-131: approx. 4E-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. 6E-6Bq/cm³)

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