

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

Reference

(Data Summarized on July 27)

Place of sampling	Fukushima Daiichi MP - 1		Fukushima Daiichi MP - 3		Fukushima Daiichi MP - 8		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	July 26, 2011 ³ 10:07am ~ 1:07pm		July 26, 2011 ³ 10:21am ~ 1:21pm		July 26, 2011 ³ 10:29am ~ 1:29pm		
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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2 In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.

3 As using low flow rate (approx. 5l/min) dust sampler, it takes more than 1 hour to collect samples.

<Reference>Flow rate of collecting samples at west gate everyday is approx. 40l/min.

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

(Volatile: I-131: approx. 4E-6Bq/cm³, Cs-134: approx. 1E-5Bq/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 limits, contingent on the detector or samples.