

Result of Nuclide Analysis of Radioactive Materials in the Air  
at the Site of Fukushima Nuclear Power Stations

Reference

(Data summarized on May 21)

Place of sampling	West gate of Fukushima Daiichi		MP-1 of Fukushima Daini (Reference)				Density limit in the air to workers engaged in tasks associated with radiation (Bq/cm <sup>3</sup> ) <sup>2</sup>
	Date and time of sampling	14:00-14:20 May 20th, 2011	Date and time of sampling	9:06-9:16 May 20th, 2011	Date and time of sampling	15:09-15:19 May 20th, 2011	
Detected nuclide (half-life)	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	Radioactivity density 1 (Bq/cm <sup>3</sup> )	Scaling factor ( / )	
I-131 (approx. 8 days)	6.8E-06	0.01	3.0E-06	0.00	ND	-	1E-03
Cs-134 (approx. 2 years)	2.2E-05	0.01	3.2E-05	0.02	1.7E-05	0.01	2E-03
Cs-137 (approx. 30 years)	1.6E-05	0.01	3.7E-05	0.01	2.6E-05	0.01	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 Statutory density limit to the 3-month average density of radioactive nuclides contained in the air that humans breathe.

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