

The result of the nuclide analysis of radioactive materials in the air
at the site of Fukushima Nuclear Power Station

Reference

(Data collected on April 24)

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 ³)	
Date and time of sampling		11:30 - 11:50 April 23, 2011		9:46 - 9:53 April 23, 2011		16:11 - 16:19 April 23, 2011		
Detected nuclide (half-life)		Radioactivity density (Bq/cm ³)	Scaling factor (/)	Radioactivity density (Bq/cm ³)	Scaling factor (/)	Radioactivity density (Bq/cm ³)		Scaling factor (/)
Volatile	I-131 (approx. 8 days)	4.0E-05	0.04	1.5E-05	0.02	1.4E-05		0.01
	Cs-134 (approx. 2 years)	1.1E-05	0.01	9.8E-06	0.00	1.1E-05	0.01	2E-03
	Cs-137 (approx. 30 years)	1.5E-05	0.01	1.1E-05	0.00	1.1E-05	0.00	3E-03
Particle	I-131 (approx. 8 days)	2.7E-05	0.03	8.3E-06	0.01	7.5E-06	0.01	1E-03
	Cs-134 (approx. 2 years)	1.3E-05	0.01	9.4E-06	0.00	1.0E-05	0.01	2E-03
	Cs-137 (approx. 30 years)	1.5E-05	0.01	7.7E-06	0.00	8.6E-06	0.00	3E-03

Statutory density limit to the 3-month average density of radioactive nuclides contained in the air that humans breathe.

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Data of other nuclides are under examination.